PUBLIC HEALTH REPORTS

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CURRENT PREVALENCE OF COMMUNICABLE DISEASES IN THE UNITED STATES [1]

November 5–December 2, 1933

The prevalence of certain important communicable diseases, as indicated by weekly telegraphic reports from State health departments to the United States Public Health Service, is summarized in this report. The underlying statistical data are published weekly in the PUBLIC HEALTH REPORTS, under the section entitled "Prevalence of Disease."

Poliomyelitis.—Further decline in the incidence of poliomyelitis continued through the month of November. For the current 4-week period 268 cases were reported, as compared with 602 for the preceding 4-week period. In the New England and Middle Atlantic States, where the disease first appeared in epidemiclike form, the number of cases dropped from 262 for the 4 weeks ended November 4 to 94 for the current period; in the East North Central States the number dropped from 140 to 39; and in the West North Central from 98 to 29. The South Central and Mountain areas reported a slight increase and the Pacific area a decrease as compared with the preceding period. No increases above the normal seasonal expectancy have been reported this year from these areas.

The number of cases for the current period (268) was still high as compared with the normal years of 1932 and 1929 (approximately 1.4 times those years), but it was only about 42 percent of the number in 1931 and 30 percent of that in 1930—both epidemic years. The South Central areas reported practically the same incidence as last year, but all other areas reported increases ranging from 18 percent in the East North Central States to 93 percent in the West North Central area.

[1] From the Office of Statistical Investigations, U.S. Public Health Service. The numbers of States included for the various diseases are as follows: Typhoid fever, 48; poliomyelitis, 48; meningococcus meningitis, 48; smallpox, 48; measles, 47; diphtheria, 48; scarlet fever, 48; influenza, 38 States and New York City. The District of Columbia is counted as a State in these reports. These summaries include only the 8 important communicable diseases for which the Public Health Service receives weekly telegraphic reports from the State health officers.

Influenza.—During the current 4-week period 4,429 cases of influenza were reported. This number was only about 18 percent of that reported (24,673) for the corresponding period last year, when a sharp rise marked the appearance of an epidemiclike wave of influenza in the Mountain and Pacific and South Central areas. For this period in 1931, 1930, and 1929 the numbers of cases were 3,593, 4,009, and 4,927, respectively. The influenza situation is very favorable in all sections of the country, no section reporting more than the normal seasonal increase and none exceeding the incidence for the corresponding period of last year.

Smallpox.—For the 4 weeks ended December 2 there were 408 cases of smallpox reported. The current incidence approached very closely that of the corresponding period last year, when 430 cases were reported. For this period in 1931, 1930, and 1929 the numbers of cases were 1,124, 1,467, and 3,717, respectively. In the various geographic areas the New England and Middle Atlantic still remained free from the disease, while the East North Central and West North Central areas each reported a 25 percent decrease from last year's figure for this period; the South Atlantic States reported 9 cases as compared with 5 last year, and in the South Central areas the incidence was approximately the same as last year; the Mountain area reported 20 for the current period as against 68 last year, and the Pacific States reported 28 as against 61.

Diphtheria.—The number of cases of diphtheria dropped from 8,302 for the preceding 4-week period to 7,442 for the current period, which might indicate that the peak for the current year was passed during that period (Oct. 8–Nov. 4). In each of the 2 preceding years the peak was reached during the 4 weeks corresponding to that period, while in the years 1930 and 1929 the peak was reached during the period corresponding to the current 4 weeks.

The current incidence was 1.1 times that for the corresponding period last year, but was only about 80 percent of the incidence in 1931. For this period in 1930 and 1929 the numbers of cases totaled 7,031 and 9,405, respectively. The South Atlantic and South Central areas seemed mostly responsible for the increase over last year. In each of those areas the incidence was approximately 1.4 times that of last year. In all other areas the disease was less prevalent than during this period last year.

Measles.—The usual seasonal increase of measles continued through the current 4-week period. The number of cases (10,567) was about 23 percent in excess of that for the corresponding period last year. In fact, for the entire reporting area the incidence was the highest for the 5 years for which data are available. A comparison of geographic areas shows that the situation in the South Atlantic, South

Central, and Mountain and Pacific areas was similar to that described for the country as a whole, while in the East North Central area the incidence was the lowest in the 5 years. The number of cases reported from the New England and Middle Atlantic areas was approximately the same as for last year, and the West North Central States reported 1,084 cases for the current period as against 707 and 461 for the years 1932 and 1931, respectively.

Scarlet fever.—The number of cases of scarlet fever (17,713) reported for the 4 weeks ended December 2 was the highest for this period in the 5 years for which data are available. All areas except the New England and Middle Atlantic and the East North Central contributed to the increase over last year. In those areas the disease was slightly less prevalent than at this time a year ago. For the corresponding period in the years 1932, 1931, and 1930 the numbers of cases were 16,938, 15,281, and 14,240, respectively.

Meningococcus meningitis.—For the current 4-week period 157 cases of meningococcus meningitis were reported—the lowest incidence for this period in the 5 years for which data are available. The South Atlantic States reported 27 cases, 1.8 times the number reported for the same period last year, and the West North Central area approximated last year's incidence; all other areas reported decreases ranging from 13 percent in the South Central groups to 65 percent in the Mountain and Pacific areas.

Typhoid fever.—The incidence of typhoid fever dropped approximately 1,000 cases during the 4 weeks ended December 2 as compared with the preceding 4 weeks. The number of cases (1,376) was 20 percent higher than that reported for the corresponding period last year, but only about 70 percent of the figure for 1931. For this period in 1930 and 1929 the numbers of cases totaled 2,234 and 1,496, respectively. The disease appeared to be most prevalent this year in the West North Central, South Central, and Mountain and Pacific areas. In each of those areas the number of cases reported for the current period was approximately 1.6 times that for the corresponding period last year. In other areas the disease was less prevalent than last year.

Mortality, all causes.—Deaths from all causes in large cities (as reported by the Bureau of the Census) for the 4 weeks ended December 2, was 11.2 per thousand population (annual basis). This rate was practically the same as the rates for the corresponding period in 1932 and 1931. In the first half of 1933 the death rate was very low in relation to recent years, but for the last several 4-week periods it has approximated the level of 1932 and 1931.

STATE AND INSULAR HEALTH AUTHORITIES, 1933

DIRECTORY, WITH DATA AS TO APPROPRIATIONS AND PUBLICATIONS

Directories of the State and insular health authorities of the United States for each year from 1912 to 1931 have been published in the Public Health Reports [2] for the information of health officers and others interested in public-health activities. The present directory (1933), like those formerly issued, has been compiled from information furnished by the respective State and insular health officers, and includes data as to appropriations and publications.

Where an officer has been reported to be a "whole-time" health officer, that fact is indicated by an asterisk (*). For this purpose a "whole-time" health officer is defined as "one who does not engage in the practice of medicine or in any other business, but devotes all of his time to official duties."

ALABAMA

Board of censors of the medical association of the State of Alabama, acting as a State committee of public health:
- B. M. Miller, governor, ex officio chairman, Montgomery
- W. D. Partlow, M.D., chairman, Tuscaloosa
- R. S. Hill, M.D., Montgomery
- Fred W. Wilkerson, M.D., Montgomery
- D. T. McCall, M.D., Mobile
- M. S. Davie, M.D., Dothan
- J. S. McLester, M.D., Birmingham
- M. Y. Dabney, M.D., Birmingham
- E. V. Caldwell, M.D., Huntsville
- S. A. Gordon, M.D., Marion
- C. A. Thigpen, M.D., Montgomery

Executive health officer:
- *J. N. Baker, M.D., State health officer, Montgomery

Administrative assistant:
- *D. L. Cannon, M.D., Montgomery

Secretary to State health officer:
- *Bessie A. Tucker, Montgomery

Financial secretary:
- *Adna Eley Alldredge, Montgomery

Registrar of vital statistics:
- *W. T. Fales, Montgomery
- *Ethel Hawley, chief clerk, Montgomery

Laboratories of the State board of health:
- General director:
  - *James G. McAlpine, Ph.D., Montgomery
- Anniston branch:
  - *Ellen Howell, Anniston
- Birmingham branch:
  - *George A. Denison, M.D., Birmingham
- Mobile branch:
  - *C. H. Waite, Mobile
- Tennessee Valley:
  - *C. C. Johnson, Decatur
- Tuscaloosa branch:
  - *Cannie Campbell, Tuscaloosa
- Selma branch:
  - *Cooper Brougher, Selma
- Dothan branch:
  - *Nellie K. Whitfield, Dothan
- Huntsville branch:
  - *Mrs. Buford Gatlin, Huntsville

Sanitation:
- Director:
  - *G. H. Hazlehurst, C.E., M.C.E., Montgomery
- Assistant engineers:
  - *H. G. Menke, B.C.E., Montgomery
  - *C. C. Kiker, B.C.E., Montgomery
  - *T. H. Milford, Montgomery.

ALABAMA—Continued

Sanitation—Continued.
- Division of inspection:
  - *C. A. Abele, Ch.E., director, Montgomery
  - *H. J. Thrasher, assistant director, Huntsville
  - *F. D. Downs, dairy inspector, Montgomery

Communicable disease control:
- *D. G. Gill, M.D., D.P.H., director, Montgomery
- *W. E. Wilson, M.D., C.P.H., assistant director, Montgomery
- *R. A. Brown, M.D., Montgomery
- *Myrtle Martin, R.N., Montgomery

County organization:
- *B. F. Austin, M.D., director, Montgomery

Public health nursing:
- *Jessie L. Marriner, R.N., director, Montgomery
- *Frances C. Montgomery, R.N., Montgomery
- *Margaret Murphy, R.N., Montgomery
- *Catherine Corley, R.N., Montgomery

Appropriation for fiscal year ending Sept. 30, 1933:
- Annual appropriation for all health work, including county organization, $400,000. (Subject to proration on basis of available revenue coming into the general fund. This makes amount indeterminate.)

ALASKA

Executive health officer:
- Walter W. Council, M.D., commissioner of health, Juneau

Assistant commissioners of health:
- A. D. Haverstock, M.D., Seward
- Rex F. Swartz, M.D., Nome
- Floyd B. Gillespie, M.D., Fairbanks

Appropriation for 1933–35, $13,800.

ARIZONA

State board of health:
- B. B. Moeur, governor, president, Phoenix
- A. T. La Prade, vice president, Phoenix
- Geo. C. Truman, superintendent, secretary, Phoenix
- F. E. Doucette, executive secretary, Phoenix
- Fred Ruppelius, statistician, Phoenix
- Ralph Thomas, assistant secretary and auditor, Phoenix

[2] Reprints Nos. 83, 123, 190, 286, 344, 405, 488, 544, 605, 706, 775, 871, 949, 1043, 1106, 1188, 1254 1334, 1428, and 1522, from the Public Health Reports.

ARIZONA—Continued

Executive health officer:
George C. Truman, M.D., State superintendent of health, Phoenix
State laboratory:
Jane Rider, director, Tucson
Marion Stroud, bacteriologist, Phoenix
W. B. West, assistant bacteriologist, Tucson
Fred Baker, assistant bacteriologist, Phoenix
Epidemiologist:
*H. F. Stanton, M.D.
Sanitary engineer:
*F. C. Roberts
County health units:
*A. N. Crain, M.D., medical director, Maricopa County, Phoenix
*R. B. Durfee, M.D., medical director, Cochise County, Bisbee
*Geoffrey Morris, M.D., medical director, Pima County, Tucson
*Anson B. Ingels, M.D., medical director, Gila County, Globe
Appropriations for laboratory, year ending June 30, 1934:

Salaries	7,440
Operation	1,621
	9,061

ARKANSAS

Board of health:
E. D. McKnight, M.D., president, Brinkley
W. F. Smith, M.D., Little Rock
Thos. Wilson, M.D., Wynne
J. G. Gladden, M.D., Western Grove
L. D. Duncan, M.D., Waldron
W. G. Hodges, M.D., Malvern
F. O. Mahony, M.D., El Dorado
Executive health officer:
***Wm. B. Grayson, M.D.**, State health officer, Little Rock
Bureau of vital statistics:
*Mrs. J. B. Collie, statistician, Little Rock
Hygienic laboratory:
*H. V. Stewart, associate director, Little Rock
Bureau of sanitation and malaria control:
*M. Z. Bair, B.Sc.E., chief sanitary engineer, Little Rock
Bureau of child hygiene:

County health units:
*Gordon Hastings, M.D., director, Little Rock
Appropriations for biennial period ending June 30, 1935:

Executive department, salaries and miscellaneous	$23,000
Bureau of vital statistics	28,000
Bureau of sanitation	2,500
Hygienic laboratory	14,840
County health units and rural sanitation	160,000

CALIFORNIA

Board of public health:
Howard Morrow, M.D., president, San Francisco
Edward M. Palletta, M.D., vice president, Los Angeles
Giles S. Porter, M.D., director of public health, Sacramento
Gifford L. Sobey, M.D., Paso Robles
William R. P. Clark, M.D., San Francisco
George H. Kress, M.D., Los Angeles
Junius B. Harris, M.D., Sacramento
Department of public health:
***Giles S. Porter, M.D.**, director of public health, Sacramento
District health officer:
*Gavin Telfer, M.D., southern division
Bureau of sanitary inspections:
*Edward T. Ross, chief, Sacramento
Bureau of vital statistics:
*Mrs. Marie B. Stringer, registrar, Sacramento

[1] Data received for publication in 1932.

CALIFORNIA—Continued

Bureau of registration nurses:
*Helen F. Hansen, chief, Sacramento
Bureau of tuberculosis:
*Edyth L. M. Tate-Thompson, chief, Sacramento
Bureau of food and drug inspections:
*M. P. Duffy, chief
Bureau of laboratories:
*W. H. Kellogg, M.D., chief, Berkeley
Bureau of sanitary engineering:
*C. G. Gillespie, C.E., chief, Berkeley
Bureau of child hygiene:
*Ellen S. Stadtmuller, M.D., chief, San Francisco
Appropriations, available July 1, 1933, for biennial period ending June 30, 1935 (85th and 86th years):

Administration:	
For support, department of public health	$401,612
Bureau of cannery inspection:	
For support (payable from cannery-inspection funds)	133,920
Bureau of registration of nurses:	
For support (payable from nurses registration funds)	38,760
Tuberculosis bureau:	
Allotment for support, included in item "for support, department of public health", $18,040.	
For subsidies	975,000
Total	1,549,292

Other sources of revenue:
Fees for registration of nurses, $10 each. (Fees for California graduate nurses, $5 only)
Renewal of registration certificates, $1 each per year
Licensing of cold storage warehouses, rated according to capacity, for credit to general fund
Fines for violation of pure food and drugs act, for credit to general fund
Fees for licenses, $50 each, and contributions, for credit to bureau of cannery inspection
Fees for searches and certified copies of records, for credit to general fund
Fees for inspection and registration of aviaries, $5 each
Fees for inspection of clinics and dispensaries, $5 each
Publications issued by health department:
Biennial report
Weekly bulletin

COLORADO [1]

Board of health:
Sherman Williams, M.D., president, Denver
S. R. McKelvey, M.D., secretary, Denver
N. M. Burnett, M.D., Lamar
Ben Beshoar, M.D., Trinidad
Paul J. Connor, M.D., Denver
G. W. Bumpus, D.O., Denver
C. A. Davlin, M.D., Alamosa
Ura O. Musick, Colorado Springs
William P. Gasser, M.D., Loveland
Executive health officer:
***S. R. McKelvey, M.D.**, secretary, State board of health, Denver
Bacteriologist:
William C. Mitchell, M.D., Denver
Epidemiologist:
Merrill C. Jobe, M.D., Denver
State food and drug commissioner:
*S. H. Loeb, Denver
Division of social hygiene:
*S. R. McKelvey, M.D., director, Denver
Division of sanitary engineering:
*Benjamin V. Howe, director, Denver
Division of plumbing inspection:
*Irving H. Fuller, inspector, Denver

COLORADO—Continued

Appropriations for fiscal years ending June 30, 1930 and 1931:

	1930	1931
Salaries	$27,300	$27,300
Laboratory equipment and supplies	2,000	2,000
Printing and publications	2,800	2,800
Traveling expenses	5,000	5,000
Samples and supplies (food)	300	300
Venereal disease	20,000	20,000
Incidental expenses	1,750	1,750
Total	59,150	59,150

CONNECTICUT

Public health council:
C.-E. A. Winslow, D.P.H.
James W. Knox
James A. Newlands
David R. Lyman, M.D.
Robert A. Cairns, C.E.
Joseph M. Ganey, M.D.
Executive health officer:
*Stanley H. Osborn, M.D., C.P.H., commissioner of health, Hartford
Bureau of preventable diseases:
*Millard Knowlton, M.D., C.P.H., director
Bureau of vital statistics:
*William C. Welling, director
Bureau of public-health nursing:
*Agnes F. Sullivan, acting director
Bureau of child hygiene:
*A. Elizabeth Ingraham, M.D.
Bureau of public-health instruction:
*Elizabeth C. Nickerson, C.P.H.
Bureau of laboratories:
*F. Lee Mickle, director
Bureau of sanitary engineering:
*Warren J. Scott, director
Bureau of occupational diseases:
*Albert S. Gray, M.D., director
Bureau of venereal diseases:
*Henry P. Talbot, M.D., director
Bureau of mental hygiene:

Division of mouth hygiene:
Clyde R. Salmons, D.D.S., chief
Division of medical registration:
*Ruth H. Monroe, chief
Appropriation for fiscal period ending June 30, 1935 (2 years), $569,664.
Publications issued by health department:
Weekly bulletin
Monthly bulletin
Annual vital-statistics report
Annual report of State department of health
Miscellaneous pamphlets

DELAWARE

State board of health:
William P. Orr, M.D., president, Lewes
Mrs. Charles Warner, vice president, Wilmington
Robert E. Ellegood, M.D., Wilmington
Margaret I. Handy, M.D., Wilmington
Mrs. F. G. Tallman, Wilmington
Stanley Worden, M.D., Dover
Mrs. Arthur Brewington, Delmar
Charles R. Jefferis, Jr., D.D.S., Wilmington
Executive health officer:
*Arthur C. Jost, M.D., C.M., Dover
Director of laboratory:
*Rowland D. Herdman, Dover
Director of child hygiene:
*Clealand A. Sargent, M.D., Dover
Sanitary engineer:
*Richard C. Beckett, Dover
Superintendent of Brandywine Sanatorium:
*Lawrence D. Phillips, M.D., Marshallton
Superintendent of Edgewood Sanatorium:
*Elizabeth Van Vranken, R.N., Marshallton

DELAWARE—Continued

State oral hygienist:
Miss M. E. Wagner, R.N.
County unit officers:
*J. R. Downs, M.D., New Castle County
*E. F. Smith, M.D., Kent County
*J. B. Derrickson, M.D., Sussex County
Appropriations for each fiscal year ending June 30, 1934 and 1935:

General administration	$81,000
Hygienic laboratory	10,000
Edgewood Sanatorium for colored tuberculous patients	27,000
Brandywine Sanatorium for white tuberculous patients	120,000
Dental hygiene	12,000
Total	250,000

Publications:
Annual report
Bulletins on health subjects
Weekly circular

DISTRICT OF COLUMBIA

Executive health officer:
*William C. Fowler, M.D., health officer, Washington
Assistant health officer:
*Edward J. Schwartz, M.D., Washington
Chief clerk and deputy health officer:
*Arthur G. Cole, Washington
Chief, bureau of preventable diseases, and director bacteriological laboratory:
*James G. Cumming, M.D., Washington
Bacteriologist:
*John E. Noble, Washington
Serologist:
*Jesse P. Porch, D.V.M., Washington
Chemist:
*John B. Reed, Washington
Chief sanitary inspector:
*J. Frank Butts, Washington
Director child-hygiene service:
*Hugh J. Davis, M.D., Washington
Chief food inspector:
*Reid R. Ashworth, D.V.S., Washington
Chief medical and sanitary inspector of schools:
*Joseph A. Murphy, M.D., Washington
Micro-analyst:
*Edwin R. Donaldson, Washington
Appropriations for the fiscal year ending June 30, 1934:

Salaries	$155,000
Prevention of communicable diseases	28,000
Isolation wards at hospitals	22,500
Milk and food inspection and regulation	6,000
Dispensary service, including treatment of tuberculosis and venereal diseases	33,112
Maintaining a child-hygienic service	44,000
Hygiene and sanitation, public schools	80,000
Laboratory service	2,000
Miscellaneous	1,300
Total	371,912

Publications issued by health department:
Weekly report by health department
Annual report of health officer
Monthly statement of average grade of milk sold

FLORIDA

Board of health:
N. A. Baltzell, M.D., president, Marianna
Leland H. Dame, M.D., Inverness
Harry Dash Johnson, M.D., Daytona Beach
Executive health officer:
*Henry Hanson, M.D., State health officer, Jacksonville
Diagnostic laboratories:
*Paul Eaton, M.D., D.P.H., director, Jacksonville
Bureau of vital statistics:
*Stewart G. Thompson, D.P.H., director, Jacksonville
Bureau of communicable diseases:
*F. A. Brink, M.D., director, Jacksonville

FLORIDA—Continued

Bureau of sanitary engineering:
*Louva G. Lennert, director, Jacksonville
Division of public health nursing:
*Joyce Ely, R.N., acting director
Appropriation for health department:
One-half mill tax levied upon the assessable property of the State for the year ending June 30, 1933, to be supplemented from the general fund: Appropriation, 1933-35, $179,600 annually
Publications issued by health department:
Pamphlets covering all phases of public health
Public health information disseminated through the weekly and daily papers of the State
Florida health notes
Annual reports

GEORGIA

Department of health:
State board of health:
Dr. Cleveland Thompson, Millen, First District
Dr. C. K. Sharp, Arlington, Second District
Mr. R. C. Ellis, Americus, Third District
Dr. M. M. Head, Zebulon, Fourth District
Mr. R. F. Maddox, Atlanta, Fifth District
Dr. A. R. Rozar, Macon, Sixth District
Dr. M. M. McCord, Rome, Seventh District
Dr. H. W. Clements, Adel, Eight District
Dr. L. C. Allen, Hoschton, Ninth District
Dr. W. A. Mulherin, Augusta, Tenth District
Dr. T. C. Marshall, Atlanta, State at large
Dr. Claude Rountree, Thomasville, State at large
Dr. M. H. Varn, Atlanta, State at large
Dr. R. F. Sullivan, Savannah, State at large
Executive health officer:
*T. F. Abercrombie, M.D., director, Atlanta
*J. P. Bowdoin, M.D., assistant director
Division of venereal-disease control:
*Joe P. Bowdoin, M.D., chief, Atlanta
Division of county health work:
*M. E. Winchester, M.D., chief, Atlanta
Division of laboratories:
*T. F. Sellers, chief, Atlanta
Division of sanitary engineering:
*L. M. Clarkson, chief, Atlanta
Bureau of vital statistics:
*Butler Toombs, chief, Atlanta
Division of child hygiene:
*Joe P. Bowdoin, M.D., chief, Atlanta
Division of accounting and purchasing:
*C. L. Tinsley, chief, Atlanta
Appropriations for the fiscal year ending Dec. 31, 1933:

General appropriation	$148,000
Trachoma	10,000
Total	158,000

HAWAII TERRITORY

Board of health:
F. E. Trotter, M.D., president and executive officer, Honolulu
Harry R. Hewitt, attorney general, Honolulu
Grover A. Batten, M.D., Honolulu
Donald S. Bowman, Honolulu
Alan S. Davis, Honolulu
James A. Williams, Honolulu
J. Platt Cooke, Honolulu
Executive health officer:
*F. E. Trotter, M.D., president of the board of health, Honolulu
Secretary:
*Mae R. Weir, Honolulu
Bureau of sanitation and pure food:
*S. W. Tay, director, Honolulu
*F. K. Schultz, division supervisor, Honolulu
*Clifford H. Bowman, division supervisor, island of Hawaii, Hilo
*R. C. Lane, division supervisor, island of Maui, Wailuku
*A. P. Christian, division supervisor, island of Kauai, Lihue
*Robert B. Pauole, sanitary inspector, Leeward Molokai, Kaunakakai

HAWAII TERRITORY—Continued

Health officer, island of Hawaii:
*Joseph S. Caceres, Hilo
Bureau of vital statistics:
*M. H. Lemon, registrar general, Honolulu
Laboratory technician:
*Mary L. Goodknight, Honolulu
Tuberculosis bureau:
C. Alvin Dougan, M.D., director
Bureau of public health nursing:
*Mabel L. Smyth, R.N., director, Honolulu
Food commissioner and analyst:
*M. B. Bairos, Honolulu
Territorial hospital:
*A. B. Kroll, superintendent, Kaneohe, Oahu
*A. B. Eckerdt, M.D., medical director, Kaneohe, Oahu
Bureau of communicable diseases:
Frederick K. Lam, M.D., director, Honolulu
Health officer, island of Kauai:
A. M. Ecklund, M.D., Koloa
Bureau of maternal and infant hygiene and child welfare:
Frederick K. Lam, M.D., director, Honolulu
Bacteriologist, island of Hawaii:
*Fred S. Paine, Hilo
Bacteriologist, island of Maui:
Haliburton McCoy, M.D., Puunene
Bacteriologist, island of Kauai:
A. M. Ecklund, M.D., Koloa
Appropriations, 1933-35:

Board of health—general administration:	
Personal services	$44,000.00
Other current expenses	7,000.00
Bureau of vital statistics:	
Personal services	20,000.00
Other current expenses	2,000.00
Tuberculosis—Government hospital (Puumaile Home):	
Personal services	47,017.50
Other current expenses	58,000.00
Equipment	481.10
Tuberculosis bureau:	
Personal services	14,040.00
Other current expenses	9,060.00
Equipment	900.00
Tuberculosis—private hospitals:	
Contributions to Leahi Home	144,000.00
Contributions to Kula Sanitarium	76,800.00
Contributions to Samuel Mahelona Memorial Hospital	55,500.00
Bureau of public health nursing:	
Personal services	135,108.00
Other current expenses	10,000.00
Plague campaign:	
Personal services	36,648.00
Other current expenses	9,352.00
Bureau of communicable diseases:	
Personal services	20,000.00
Other current expenses	20,000.00
Bureau of maternal and infant hygiene:	
Personal services	6,400.00
Other current expenses	1,800.00
Boards of examiners:	
Personal services	216.00
Other current expenses	405.00
Sanitation and pure food:	
Personal services	91,898.00
Other current expenses	10,000.00
Equipment	230.00
Agents—Government physicians:	
Personal services	76,180.00
Territorial hospital:	
Personal services	320,784.00
Other current expenses	140,296.00
Equipment	500.00
Structures and improvements	2,000.00
Total	1,360,615.60

Publications issued by health department:
Annual report of president
Registrar General's report
Monthly morbidity and mortality report

IDAHO

Department of public welfare:
*Lewis Williams, commissioner
*W. V. Leonard, B.S.M.E., State chemist and sanitary engineer
*Lawrence J. Peterson, bacteriologist
*A. W. Klotz, assistant chemist
*R. J. Harding, dairy, food, drug, hotel, and sanitary inspector
*James M. Welsh, dairy, food, drug, hotel, and sanitary inspector
Executive health officer:
*Lewis Williams, commissioner of public welfare, Boise
Bureau of child hygiene:
*Mrs. Deborah H. Worthington, director, Boise
Appropriations for biennial period ending Dec. 31, 1934:

Personal services	$35,205
Other expenses	12,605
Venereal-disease control	1,500
Vaccines and antitoxins	2,000
Child hygiene	2,860
Total	54,170

ILLINOIS

Board of public-health advisors:
Herman N. Bundesen, M.D., chairman
Charles DeCenter, M.D.
Walter W. Hamburger, M.D.
Clifford U. Collins, M.D.
W. A. Evans, M.D.
Executive health officer:
*Frank J. Jirka, M.D., director of public health, Springfield
Assistant director of public health:
*A. C. Baxter, M.D.
Division of sanitation and engineering:
*Harry F. Ferguson, C.E., chief sanitary engineer
Division of communicable diseases:
*J. J. McShane, M.D., D.P.H., chief
Division of child hygiene and public-health nursing:
*Grace S. Wightman, M.D., chief
Division of tuberculosis:
*A. C. Baxter, M.D., acting chief
Division of laboratories:
*Howard J. Shaughnessy, Ph.D., chief
Division of vital statistics:
*Sheldon L. Howard, registrar
Division of public-health instruction:
*Baxter K. Richardson, chief
Division of hotel and lodging-house inspection:
*Courtney Scobell, superintendent
Appropriations for biennial period ending June 30, 1935:

Salaries	$674,960
Salaries State officers	27,800
Office expenses	23,176
Traveling expenses	128,661
Operation	269,116
Repairs and equipment	17,875
Contingent	15,000
Printing	50,000
Postage	25,000
Sanitary water board law	20,000
Rabies	12,000
Emergency	25,000
Total	1,288,588

Publications issued by health department:
Illinois Health Messenger (bimonthly)
Weekly press bulletin
Educational health circulars

INDIANA

Board of health:
John Clay Glackman, M.D., president, Rockport
Edmund M. Van Buskirk, M.D., Fort Wayne
Ernest Rupel, M.D., Indianapolis
Verne K. Harvey, M.D., secretary, Indianapolis
Executive health officer:
*Verne K. Harvey, M.D., C.P.H., director, Indianapolis

INDIANA—Continued

Collaborating epidemiologist and assistant director:
*Thurman B. Rice, M.D., Indianapolis
Epidemiologist:
*J. W. Jackson, M.D., Indianapolis
Bureau of vital statistics:
*H. M. Wright, statistician and registrar, director, Indianapolis
Bacteriological laboratory:
*Clyde G. Culbertson, M.D., director, Indianapolis
Division of chemistry:
*Martin L. Lang, State food and drug commissioner, Indianapolis
Bureau of dairy products:
*John Tylor, director, Indianapolis
Bureau of sanitary engineering:
*Louis A. Geupel, B.S.C.E., director, Indianapolis
Food and drug laboratory:
*Frank J. Koehne, B.Ch.E., director, Indianapolis
Bureau of health education:
*Bynum Legg, director, Indianapolis
Bureau of housing, industrial and school hygiene:
*Fred K. Myles, director, Indianapolis
Bureau of public-health nursing:
*Eva F. MacDougal, R.N., director, Indianapolis
Appropriations for each of fiscal years beginning July 1, 1933 and 1934, $207,300.

IOWA

State department of health:

EX OFFICIO

Clyde L. Herring, governor, Des Moines
Mrs. Alex Miller, secretary of state, Des Moines
Leo Wegman, treasurer of state, Des Moines
Ray Murray, secretary of agriculture, Des Moines
Walter L. Bierring, M.D., State commissioner of health, Des Moines

APPOINTIVE BY GOVERNOR

C. A. Boice, M.D., president, Washington
T. D. Kas, M.D., secretary, Sutherland
J. F. Aldrich, M.D., Shenandoah
C. W. Ellyson, M.D., Waterloo
J. M. Smittle, M.D., Waucoma
Executive health officer:
*Walter L. Bierring, M.D., commissioner of health, Des Moines
*Frederick J. Swift, M.D., deputy commissioner
Executive clerk:
*Lynn Clemens, Des Moines
Division of child health and health education:
*Joseph H. Kinnaman, M.D., Des Moines
Division of epidemiology:
*Carl F. Jordan, M.D., C.P.H., Des Moines
State hygienic laboratories:
*M. E. Barnes, M.D., Dr.P.H., director, Iowa City
Division of public health nursing:
*Edith S. Countryman, R.N., director, Des Moines
Division of nursing education:
*Maude E. Sutton, R.N., director, Des Moines
Division of vital statistics:
*Robert L. McLaren, director, Des Moines
Division of licensure and registration:
*H. W. Grefe, director, Des Moines
Division of law enforcement:
*Herman B. Carlson, attorney, Des Moines
Division of sanitary engineering:
*A. H. Wieters, C.E., director, Des Moines
Division of barber inspection:
*William B. Wilson, director, Des Moines
Division of cosmetology inspection:
*Naomi M. Krause, director, Des Moines
Housing work is carried on by engineering division.
Medical, nurses, dental, optometry, cosmetology, chiropractic, osteopathy, embalming, podiatry, and barber examining boards are combined in State department of health.

IOWA—Continued

Appropriations for fiscal year ending June 30, 1934:

For salaries, support, maintenance and miscellaneous purposes	$45,340
For child-health and health education	6,600
For inspector salaries, support, maintenance, and miscellaneous	4,200
For sanitary engineering and housing salaries, support, maintenance, and miscellaneous	18,900
For barber-inspection salaries, support, maintenance, and miscellaneous	15,150
For division of cosmetology inspection salaries, support, maintenance, and miscellaneous	11,360
Total	101,550

Publications:
Biennial report
Quarterly bulletin
Weekly health message

KANSAS

Board of health:
J. L. Lattimore, M.D., president, Topeka
H. L. Aldrich, M.D., Caney
George I. Thacher, M.D., Waterville
R. S. Haury, M.D., Newton
Charles W. Robinson, M.D., Atchison
Clay E. Coburn, M.D., Kansas City
H. A. Browne, M.D., Galena
L. V. Turgeon, M.D., Wilson
C. L. Hooper, M.D., Dodge City
Frazor Edmondson, LL.B., Topeka

Executive health officer:
*Earle G. Brown M.D., secretary State board of health, Topeka

Division of vital statistics:
*C. L. Miller, M.D., State registrar.

Division of communicable diseases:
*C. H. Kinnaman, M.D., epidemiologist, Topeka

Division of foods and drugs:
*Thomas I. Dalton, Ph.C., assistant chief food and drug inspector, Topeka

Division of child hygiene:
*J. C. Montgomery, M.D., chief, Topeka

Division of rural sanitation:
*J. C. Montgomery, M.D., director, Topeka

Division of sanitation:
Earnest Boyce, chief, Lawrence

Division of public-health education:
*Earle G. Brown, M.D., director, Topeka

Water and sewage laboratories at Kansas University:
Earnest Boyce, director, Lawrence

Food laboratory at Kansas University:
H. P. Cady, director

Drug laboratory at Kansas University:
Prof. L. D. Havenhill, director of drug analysis, Lawrence

Food laboratory at Kansas Agricultural College:
Prof. H. H. King, director of food analysis, Manhattan

Public health laboratory, Topeka:
*Ross L. Laybourn, bacteriologist, in charge.

Appropriations for year ending June 30, 1934:

	Salaries	Total
Executive	$4,400	$6,000
Division of communicable diseases	4,800	15,210
Division of food and drugs	8,140	12,140
Division of child hygiene	5,760	8,000
Division of cooperative county health work		6,000
Public health laboratory	4,010	8,300
Division of sanitation (Engineering, water, and sewage)		2,400
Board members	200	800
Total	27,310	58,850

KANSAS—Continued

Other sources of revenue:
Marriage fees, approximately $20,000
Water and ice analysis fees, approximately $14,000

Publications issued by health department:
Biennial report
Weekly morbidity report

KENTUCKY

Board of health:
E. M. Howard, M.D., president, Harlan
George S. Coon, M.D., Louisville
A. T. McCormack, M.D., secretary, Louisville
J. Watts Stovall, M.D., Grayson
Lawrence T. Minish, M.D., Frankfort
B. B. Keys, M.D., Murray
F. L. Johnson, M.D., Livermore
C. J. Johnson, D.O., Louisville
James F. Wilson, Mayfield
Jas. J. Goodwin, Louisville

Executive health officer:
*A. T. McCormack, M.D., D.P.H., State health officer, Louisville

Bureau of county health work:
*P. E. Blackerby, M.D., assistant State health officer, Louisville
*V. A. Stilley, M.D., assistant field director, Benton

Bureau of vital statistics:
*J. F. Blackerby, director, Louisville

Bureau of bacteriology:
*Lillian H. South, M.D., director, Louisville

Bureau of sanitary engineering:
*F. C. Dugan, S.E., director, Louisville

Bureau of food, drugs, and hotels:
*Sarah Vance Dugan, director, Louisville

Bureau of venereal diseases:
Jethra Hancock, M.D., Louisville

Bureau of public health nursing:
*Margaret L. East, R.N., director, Louisville

Bureau of maternal and child health:
*Annie S. Veech, M.D., director, Louisville
*Juanita Jennings, M.D., assistant director, Louisville

Bureau of prevention of trachoma and blindness:
United States Trachoma Hospital:
*Robert Sory, M.D., medical officer in charge

Bureau of budget:
*Elva V. Grant, director, Louisville

Bureau of epidemiology:
*J. L. Jones, M.D., director, Louisville

Bureau of tuberculosis and State tuberculosis sanatorium:
*Paul A. Turner, M.D., director and superintendent, Louisville

Bureau of dental health:
J. F. Owen, D.D.S., director, Lexington

Appropriations for fiscal year ending June 30, 1934:

Central administration for all departments	$145,200
Full-time county health departments	188,000
State tuberculosis sanatorium	12,500
Total	345,700

Publications issued by health department:
Monthly bulletin

LOUISIANA

State board of health:
J. A. O'Hara, M.D., president, New Orleans
S. E. Graham, M.D., Melville
S. J. Couvillon, M.D., Moreauville
J. L. Kelly, M.D., Oak Grove
(Other members to be appointed)
Fannie B. Nelken, secretary

Executive health officer:
J. A. O'Hara, M.D., president, State board of health, New Orleans

Bacteriologist:
W. H. Seemann, M.D., New Orleans

Registrar of vital statistics:
J. George Dempsey, M.D., New Orleans

Bureau of communicable diseases:
C. L. Brown, M.D.

LOUISIANA—Continued

Bureau of mental hygiene:
H. R. Unsworth, M.D., New Orleans
Bureau of research and information:
P. A. Kibbe, M.D.
Bureau of public health administration:
*George S. Bote, executive assistant, U.S.P.H.S., acting director, New Orleans
Sanitary engineer:
*John H. O'Neill, New Orleans
Analyst:
*Cassius L. Clay, New Orleans
Bureau of animal industry:
*G. T. Jackson, D.V.S., director, New Orleans
Sanitary inspection:
*Peter Rohrs, Jr., chief, New Orleans
Auditor:
*Phil Arras, New Orleans
Appropriations for fiscal year:

1932-33	$395,000
1933-34	431,000

Publications issued by health department:
Quarterly bulletin
Biennial report
Miscellaneous leaflets

MAINE

Department of health and welfare:
Bureau of health:
George H. Coombs, M.D., director, Augusta
Advisory council of health and welfare:
Miss Sally P. Moses, Bangor
George W. Lane, Jr., Auburn
Mrs. Dora B. Pinkham, Fort Kent
Walter G. Davis, Portland
Mrs. Helen C. Donahue, Portland
E. V. Call, M.D., Lewiston
Division of administration:
*George H. Coombs, M.D., Augusta
Division of communicable diseases:
*George H. Coombs, M.D., Augusta
Division of laboratories:
*A. H. Morrell, M.D., Augusta
Division of sanitary engineering:
*Elmer W. Campbell, D.P.H., Augusta
Division of vital statistics:
*George H. Coombs, M.D., State registrar, Augusta
Division of social hygiene:
*George H. Coombs, M.D., Augusta
Division of public health nursing and child hygiene:
*Edith L. Soule, R.N., Augusta
Division of dental hygiene:
*Dorothy Bryant, D.H., Augusta
District health officers:
*J. L. Pepper, M.D., South Portland
*R. L. Mitchell, M.D., Lewiston
*J. W. Loughlin, M.D., Newcastle
*B. F. Porter, M.D., Caribou
Appropriations for fiscal year ending June 30, 1933:

Salaries and clerk hire	$30,400
Office expense and epidemic fund	20,900
District and local health officers	29,600
Venereal-disease control work	9,700
Maternity and child-welfare work	26,300
Branch State laboratory, Caribou	2,900
Aid for typhoid carriers	4,800
Completion of vital records of the State	400
Infantile-paralysis control	2,000
Total	133,000

Other sources of revenue:
Census Bureau, Washington, D.C., about $533
License fees for camps, roadside eating and lodging places, about $11,000 (estimated)

MARYLAND

Board of health:
Robert H. Riley, M.D., Dr.P.H., chairman, Baltimore
Thomas S. Cullen, M.D., Baltimore
Wm. P. Lane, Jr., attorney general, Baltimore

MARYLAND—Continued

Board of health—Continued.
William W. Ford, M.D., Baltimore
Huntington Williams, M.D., Dr.P.H., Baltimore
Tolley A. Biays, C.E., Baltimore
Benjamin C. Perry, M.D., Bethesda
E. F. Kelly, Phar.D., Baltimore.
Burt B. Ide, D.D.S., Baltimore
Executive health officer:
*Robert H. Riley, M.D., Dr.P.H., director of health, Baltimore
Division of personnel and accounts:
*Walter N. Kirkman, chief, Baltimore
Division of oral hygiene:
*Richard C. Leonard, D.D.S., chief, Baltimore
Division of legal administration:
*J. Davis Donovan, LL.B., chief, Baltimore
Committee on public health education:
*Gertrude B. Knipp, secretary, Baltimore
Bureau of communicable diseases:
*Robert H. Riley, M.D., Dr.P.H., chief, Baltimore
*C. H. Halliday, M.D., epidemiologist, Baltimore.
*C. W. G. Rohrer, M.D., Ph.D., diagnostician, Baltimore
Bureau of vital statistics:
*John Collinson, M.D., Dr.P.H., chief, Baltimore
Food and drug commissioner:
*A. L. Sullivan, chief, Baltimore
Deputy food and drug commissioner:
*R. L. Swain, Ph.D., LL.B.
Bureau of bacteriology:
*C. A. Perry, chief, Baltimore
Bureau of sanitary engineering:
*Abel Wolman, B.S.E., chief, Baltimore
Bureau of chemistry:
*John C. Krantz, Jr., Ph.M., chief, Baltimore
Bureau of child hygiene:
*J. H. Mason Knox, Jr., Ph.D., M.D., chief, Baltimore
Appropriations for fiscal year ending Sept. 30, 1934, $346,332
Publications issued by health department:
Annual report
Weekly News Letter
Monthly bulletin

MASSACHUSETTS

Public health council:
Henry D. Chadwick, M.D., chairman, Boston
Roger I. Lee, M.D., Boston
Francis H. Lally, M.D., Milford
Richard P. Strong, M.D., Boston
Sylvester E. Ryan, M.D., Springfield
James L. Tighe, Holyoke
Gordon Hutchins, Concord
Executive health officer:
*Henry D. Chadwick, M.D., State commissioner of public health, Boston
Secretary:
*Alice M. Nelson
Division of administration:
(Under direction of commissioner)
Division of communicable diseases:
*Gaylord W. Anderson, M.D., director, Boston
Division of sanitary engineering:
*Arthur D. Weston, C.E., director and chief engineer, Boston
Division of water and sewage laboratories:
*Arthur D. Weston, C.E., director, Boston
Division of biologic laboratories:
*Elliott S. Robinson, M.D., director and pathologist, Boston
Divisions of food and drugs:
*Hermann C. Lythgoe, director and analyst, Boston
Division of child hygiene:
*M. Luise Diez, M.D., director, Boston
Division of tuberculosis sanatoria:
*Alton S. Pope, M.D., director, Boston
Division of adult hygiene:
*Herbert L. Lombard, M.D., director, Boston

MASSACHUSETTS—Continued

Appropriations for department of public health, 1933:

Division of administration:	
Salary of commissioner	$6,375.00
Personal services	18,455.00
Services other than personal	11,025.00
Division of child hygiene:	
Personal services of director and assistants	32,900.00
Services other than personal	14,400.00
Personal services in connection with maternal and infant hygiene	21,450.00
Expenses in connection with maternal and infant hygiene	9,200.00
Division of communicable diseases:	
Personal services of director, district health officers, etc.	68,760.00
Services other than personal	15,075.00
Personal services in connection with control of venereal diseases	12,870.00
Expenses in connection with control of veneral diseases	28,000.00
Wassermann Laboratory:	
For personal services	15,990.00
For expenses of laboratory	5,000.00
Antitoxin and vaccine laboratory:	
For personal services	66,860.00
Other services	34,500.00
Inspection of food and drugs:	
For personal services	48,725.00
Other services	11,050.00
For administering the shellfish law:	
Personal services	1,860.00
Other services	1,000.00
Water supply and disposal of sewage, engineering division:	
For personal services	66,125.00
For other services	18,450.00
Water supply and disposal of sewage, division of water and sewage laboratories:	
For personal services	40,280.00
For other services	7,200.00
Division of tuberculosis:	
For personal services	33,750.00
Services other than personal	5,350.00
For personal services of tuberculosis clinic units	54,400.00
Services other than personal (clinic units)	31,200.00
Payment of subsidies	405,000.00
For maintenance of and for certain improvements at the Lakeville, North Reading, Rutland, and Westfield State sanatoria	973,036.25
Division of adult hygiene:	
For personal services	41,840.00
For other expenses	33,050.00
Cancer hospital at Norfolk:	
For maintenance of and for certain improvements	227,750.00
Total	2,360,926.00

MICHIGAN

Advisory council of health:

Robert B. Harkness, M.D., Houghton
Chalmers J. Lyons, D.D.Sc., Ann Arbor
Louis J. Hirschman, M.D., Detroit
Karl B. Brucker, M.D., Lansing
George J. Curry, M.D., Flint

Executive health officer:
*C. C. Slemons, M.D., Dr.P.H., State health commissioner, Lansing

Bureau of engineering:
*E. D. Rich, C.E., director
*John M. Hepler, assistant engineer
*Willard F. Shephard, assistant engineer
*Raymond J. Faust, assistant engineer
*Orla E. McGuire, assistant engineer

MICHIGAN—Continued

Bureau of laboratories:
*C. C. Young, Ph.D., Dr.P.H., director
*Wm. E. Bunney, Ph.D., associate director
*Minna Crooks, R.N., bacteriologist
*M. B. Kurtz, D.V.M., serologist
*Pearl Kendrick, bacteriologist, West Michigan division
*Ora Mills, bacteriologist, Houghton branch
*A. B. Haw, clinical pathologist
*Roy W. Pryor, Dr.P.H., immunologist
*Merle M. Woodward, toxicologist
*Don Cummings, assistant director, in charge of property

Bureau of child hygiene and public health nursing:
*Lillian R. Smith, M.D., director
*Goldie Corneliuson, M.D., physician
*Ida M. Alexander, M.D., prenatal consultant
*Helen de Spelder Moore, R.N., assistant director

Bureau of records and statistics:
*W. J. V. Deacon, M.D., director

Bureau of education:
*Marjorie Delavan, director
*Pearl Turner, assistant director
*Melita Hutzel, lecturer

Bureau of embalming:
*Frank J. Pienta, director

Bureau of communicable diseases and rural hygiene:
*C. D. Barrett, M.D., C.P.H., director
*Filip Forsbeck, M.D., associate director, in charge of communicable diseases
*M. B. Beckett, M.D., C.P.H., field agent, in charge of rural hygiene

Bureau of mouth hygiene:
*William R. Davis, D.D.S., director

Appropriations for fiscal year ending June 30, 1934:

Personal services	$200,500
Supplies; Contractual service	97,250
Outlay for equipment	7,700
Total	305,450
County health departments	48,000
Smallpox vaccine, toxoid manufacturing	5,000
Beaver Island, physician	2,200
Grand total	360,650

Publications issued by health department:
Monthly bulletin
Annual report
Communicable disease pamphlets
Sex hygiene pamphlets
Child hygiene pamphlets
Engineering bulletins
Mouth hygiene pamphlets
Scientific reprint series
Rules and regulations

MINNESOTA

Board of health:
N. G. Mortensen, M.D., president, St. Paul
Frederic Bass, C.E., vice president, Minneapolis
Erling S. Platou, M.D., Minneapolis
J. A. Thabes, Sr., M.D., Brainerd
Helen Hughes Hielscher, M.D., Mankato
S. Z. Kerlan, M.D., Aitkin
C. I. Oliver, M.D., Graceville
A. S. Milinowski, C.E., St. Paul
Thomas G. Bell, Duluth

Executive health officer, State Office Bldg., St. Paul:
*A. J. Chesley, M.D., secretary and executive officer

Division of administration, State Office Bldg., St. Paul:
*O. C. Pierson, director

Division of vital statistics, State Office Bldg., St. Paul:
*Gerda C. Pierson, director

Division of hotel inspection, State Office Bldg., St. Paul:
*E. H. Berg, State hotel inspector

MINNESOTA—Continued

Division of preventable diseases (including venereal diseases), University Campus, Minneapolis:
- *O. McDaniel, M.D., director
- *Lucy Heathman, Ph.D., chief of laboratories
- *W. P. Greene, M.D., epidemiologist
- *James E. Perkins, M.D., epidemiologist
- *Ralph R. Sullivan, M.D., epidemiologist

Division of sanitation, University Campus, Minneapolis:
- *H. A. Whittaker, director
- *O. E. Brownell, C.E., senior sanitary engineer

Division of child hygiene, university campus, Minneapolis:
- Everett C. Hartley, M.D., director
- *Olivia Peterson, R.N., superintendent of public-health nursing

Appropriations for fiscal year ending June 30, 1934:

Maintenance and vital statistics—	
Salaries	$27,000
Expenses	7,000
	34,000
Providing free antitoxin and other biological products (balance, $11,801.80)	
Venereal diseases and venereal-disease education	20,600
Sanitary engineering and laboratory	25,000
Preventable diseases and laboratory	65,000
Protection for maternity and infancy	28,000
Indian-health work	8,000
Hotel inspection	33,000
Stream pollution survey	10,000
For aid to typhoid carriers	7,500
For printing	450
Total	232,150

Publications issued by health department:
- Educational pamphlets

MISSISSIPPI

Board of health:
- J. W. Lipscomb, M.D., president, Columbus
- Felix J. Underwood, M.D., secretary, Jackson
- S. E. Eason, M.D., New Albany
- L. B. Austin, M.D., Rosedale
- W. A. Dearman, M.D., Gulfport
- B. J. Shaw, M.D., Slate Spring
- W. H. Frizell, M.D., Brookhaven
- John Darrington, M.D., Yazoo City
- Dudley Stennis, M.D., Newton
- Wm. R. Wright, D.D.S., Jackson

Executive health officer:
- *Felix J. Underwood, M.D., secretary, State board of health, Jackson

Bureau of vital statistics:
- *R. N. Whitfield, M.D., director, Jackson

Bureau of child hygiene and public health nursing:
- *Felix J. Underwood, M.D., acting director, Jackson
- *Mary D. Osborne, R.N., supervisor, public health nursing, Jackson
- *Gladys Eyrich, supervisor oral hygiene, Jackson

Hygienic laboratory:
- *T. W. Kemmerer, M.D., director, Jackson

Bureau of sanitary engineering:
- *H. A. Kroeze, C.E., director, Jackson
- *N. M. Parker, D.V.S., State sanitary inspector, Jackson
- *C. M. Ledbetter, State sanitary inspector, Jackson
- *Floyd Ratliff, State sanitary inspector, Jackson

Bureau of county health work:
- *H. C. Ricks, M.D., C.P.H., director, Jackson
- *John A. Milne, M.D., M.P.H., assistant director, Jackson

Bureau of tuberculosis control:
- *Henry Boswell, M.D., director, Sanatorium

Bureau of industrial hygiene:
- *J. W. Dugger, M.D., director, Jackson

Epidemiological unit:
- *A. L. Gray, M.D., M.P.H., director, Jackson
- *Catherine Mayfield, bacteriologist
- *Margaret Meade, nurse-investigator

MISSISSIPPI—Continued

State appropriation for period January 1 to December 31, 1933, $130,000.

Publications issued by health department:
- Biennial report
- Health pamphlets

MISSOURI

Board of health:
- Emmett P. North, M.D., president, St. Louis
- P. T. Bohan, M.D., vice president, Kansas City
- W. T. Elam, M.D., St. Joseph
- W. A. Clark, M.D., Jefferson City
- E. S. Smith, M.D., Kirksville
- T. S. Bourke, M.D., Kansas City
- E. T. McGaugh, M.D., State health commissioner, Jefferson City

Executive health officer:
- *E. T. McGaugh, M.D., State health commissioner, Jefferson City

Epidemology:
- *E. K. Musson, M.D., M.P.H., epidemiologist

Laboratories:
- *Dora Snyder, acting bacteriologist

Sanitary engineering:
- *Herbert Bosch, public health engineer

Vital statistics:
- *William F. Lunsford, M D., M.P.H., vital statistician

Child hygiene and cooperative county health work:
- *Irl Brown Krause, M.D., director

Public health nursing:
- *Miss Ida Brossard, R.N., supervisor

Appropriations for State board of health, biennial period 1933-34:

Additions	$3,000
Repairs and replacements	6,000
Operation	41,250
Salaries	152,500
Total	202,750
Board of health fund:	
Personal service	15,000
Repairs and replacements	2,625
Operation	12,375
Total	30,000
Cosmetology and hair-dressing:	
Personal service	16,822
Additions	578
Repairs and replacements	572
Operation	12,028
Total	30,000

MONTANA

Board of health:
- George M. Jennings, M.D., president, Missoula
- L. H. Fligman, M.D., Helena
- E. G. Balsam, M.D., Billings
- E. M. Porter, M.D., Great Falls
- B. L. Pampel, M.D., Livingston
- W. F. Cogswell, M.D., secretary

Executive health officer:
- *W. F. Cogswell, M.D., secretary, Helena

Division of communicable diseases:
- *J. H. Crouch, M.D., epidemiologist, Helena

Division of child welfare:
- *W. F. Cogswell, M.D., acting director, Helena

Division of food and drugs:
- *J. W. Forbes, director, Helena

Division of vital statistics:
- *W. F. Cogswell, M.D., State registrar, Helena
- *L. L. Benepe, deputy State registrar, Helena

Division of water and sewage:
- *H. B. Foote, director, Helena
- W. M. Cobleigh, consulting sanitary engineer, Bozeman
- *Oliver Morgan, analyst, Helena

Hygienic laboratory:
- *Fred D. Stimpert, director, Helena
- *Edith Kuhns, technician, Helena
- E. D. Hitchcock, M.D., consulting bacteriologist, Great Falls

MONTANA—Continued

Appropriations for the years ending—

	June 30, 1934	June 30, 1935
Salaries	$23,300	$23,300
Operating expenses	15,750	15,750
Capital repairs and replacements	500	500
Division of child welfare	10,500	10,500
Board of entomology (Rocky Mountain spotted-fever work)	3,000	3,000
Total	53,050	53,050

NEBRASKA

Department of health:
Executive health officer:
*P. H. Bartholomew, M.D., acting director of health, Lincoln
Collaborating epidemiologist:
*P. H. Bartholomew, M.D., Lincoln
Bacteriologist:
*L. O. Vose, Lincoln
Division of venereal diseases:
*P. H. Bartholomew, M.D., director, Lincoln
Statistician:
*Jean Barrett, Lincoln
Medical examining board:
W. R. Boyer, M.D., Pawnee City
H. J. Lehnhoff, M.D., Lincoln
P. A. DeOgny, M.D., Milford
Appropriations for biennial period ending June 30, 1935:

Salary of director	$7,200
Salaries	20,000
Maintenance	10,000
Total	37,200

NEVADA

State board of health:
F. B. Balzar, Governor, president, Carson City
Edward E. Hamer, M.D., secretary and State health officer, Carson City
W. G. Greathouse, secretary of State
John Fuller, M.D., Reno
C. W. West, M.D., Reno
Executive health officer:
*Edward E. Hamer, M.D., State health officer, Carson City.
State hygienic laboratory at State university:
*Vera E. Lautenschlager, acting director, Reno
Appropriations for period from July 1, 1933, to June 30, 1935:

Salary of secretary	$5,000
Salary of clerk	2,813
Traveling expenses	1,500
Office postage	250
Office supplies, heat, rent, and light	1,800
Office telephone and telegraph	300
Equipment	200
Registration of births and deaths	350
Purchase of diphtheria and other dangerous disease antitoxin	500
Total	12,713

Publications issued by health department:
Biennial report
Special bulletins

NEW HAMPSHIRE

Board of health:
Robert Fletcher, C.E., president, Hanover
D. E. Sullivan, M.D., Concord
George C. Wilkins, M.D., Manchester
Barbara Beattie, M.D., Littleton
John G. Winant, Governor
Francis W. Johnston, attorney general, Claremont

NEW HAMPSHIRE—Continued

Executive health officer:
*Charles Duncan, M.D., secretary, State board of health, Concord
*Harriet I. Parkhurst, chief clerk, Concord
Division of maternity, infancy, and child hygiene:
*Mary D. Davis, R.N., director and supervising nurse, Manchester
Department of vital statistics:
*Charles Duncan, M.D., registrar, Concord
*Doris P. Bartlett, chief clerk, Concord
Division of chemistry and sanitation:
*Charles D. Howard, chief of division, Concord
*Frederick Vintinner, assistant chemist, Concord
*Harriet I. Albee, assistant chemist and bacteriologist, Concord
*Leonard W. Trager, assistant sanitary engineer, Concord
*Russell A. Eckloff, inspector
*Joseph X. Duval, chief inspector, Concord
Diagnostic and pathological department:
*William R. Macleod, serologist and diagnostic bacteriologist, Concord
H. N. Kingsford, M.D., pathologist, Hanover
*Benj. Jewell, assistant in pathological laboratory, Concord
Venereal disease division:
*Charles A. Weaver, M.D., Manchester
Appropriations for fiscal year ending June 30, 1934:

State board of health	$49,503
Laboratory of hygiene	17,490
Vital statistics	3,340
Cancer clinic fund	15,000
Total	85,333

Publications issued by health department:
Bulletin
Biennial report

NEW JERSEY

Board of health:
Charles I. Lafferty, president, Atlantic City
Margaret L. MacNaughton, vice president, Jersey City
Mrs. Helen M. Berry, Newark
H. E. Winter, V.M.D., Plainfield
J. Oliver McDonald, M.D., Trenton
S. A. Cosgrove, M.D., Jersey City
J. E. H. Guthrie, D.D.S., Newark
Clyde Potts, C.E., Morristown
Irvin E. Deibert, M.D., Camden
James E. Russell
John V. Bishop
Executive health officer:
*J. Lynn Mahaffey, M.D., director of health, Trenton
Bureau of bacteriology:
*John V. Mulcahy, chief, Trenton
Bureau of chemistry:
*John E. Bacon, chief, Trenton
Bureau of administration:
*Charles J. Merrell, chief, Trenton
Bureau of food and drugs:
*Walter W. Scofield, chief, Trenton
Bureau of public-health education:
*Edwin C. Lanigan, chief, Trenton
Bureau of child hygiene:
Julius Levy, M.D., consultant, Trenton
Bureau of local health administration:
Wm. H. McDonald, acting chief, Trenton
Bureau of engineering:
*H. P. Croft, chief, Trenton
Bureau of vital statistics:
*David S. South, chief, Trenton
Bureau of venereal-disease control:
A. J. Casselman, M.D., consultant, Trenton
Appropriations for fiscal year ending June 30, 1934:

Salaries	$223,600.00
Miscellaneous	58,500.00
Child hygiene	103,872.52
Venereal-disease control	25,420.00
Total	411,392.52

Publications issued by health department:
Monthly bulletin
Annual report

NEW MEXICO

Board of public welfare:
Robert O. Brown, M.D., president, Santa Fe
Max Nordhaus, Albuquerque
Mrs. David Chavez, Jr., secretary, Santa Fe
Mrs. Orren Beaty, Lovington
Eugene D. Lujan, Albuquerque
Executive health officer:
*J. Rosslyn Earp, Dr.P.H., director of public health, Santa Fe
Division of sanitary engineering and sanitation:
*Paul S. Fox, M.S. in C.E., chief, Santa Fe
Division of county health work:
*C. H. Douthirt, M.D., director, Santa Fe
State supervisor of public-health nursing:
*Eleanor L. Kennedy, R.N., Santa Fe
Public-health laboratory:
*Myrtle Greenfield, chief, Albuquerque
State registrar:
*Miss Billy Tober, Santa Fe
Appropriation for years 1933-34 and 1934-35, per annum, $35,900. Fiscal year ends June 30.

NEW YORK

Public health council:
Simon Flexner, M.D., LL. D., chairman, New York
Homer Folks, LL.D., vice chairman, Yonkers
Henry N. Ogden, C.E., Ithaca
Frederick F. Russell, M.D., New York
Livingston Farrand, M.D., Ithaca
Walter A. Leonard, M.D., Cambridge
Thomas Parran, Jr., M.D. (ex officio), commissioner of health, Albany
Executive health officer:
*Thomas Parran, Jr., M.D., State commissioner of health, Albany
Deputy commissioner of health:
*Paul B. Brooks, M.D., Albany
*Edward S. Godfrey, M.D., assistant commissioner for local health administration
Administrative officer:
*Edmund Schreiner, LL.B.
Division of public-health education:
*B. R. Rickards, director, Albany
Division of sanitation:
*Charles A. Holmquist, C.E., director, Albany
Division of vital statistics:
*Joseph V. De Porte, Ph.D., director, Albany
Division of maternity, infancy, and child hygiene:
*Elizabeth M. Gardiner, M.D., director, Albany
Division of communicable diseases:
*George H. Ramsey, M.D., director, Albany
Division of tuberculosis:
*Robert E. Plunkett, M.D., director, Albany
Division of social hygiene:
*Albert Pfeiffer, M.D., director, Albany
Division of laboratories and research:
*Augustus B. Wadsworth, M.D., director, Albany
Division of public-health nursing:
*Marion Sheahan, R.N., director, Albany
Division of orthopedics:
*Walter J. Craig, M.D., director, Albany
Division of cancer control:
*Burton T. Simpson, M.D., director
Institute for the study of malignant disease, Buffalo:
*Burton T. Simpson, M.D., director
New York State Hospital for Incipient Pulmonary Tuberculosis, Ray Brook:
*H. A. Bray, M D., superintendent
New York State Reconstruction Home, West Haverstraw:
*John B. Kelly, superintendent
Appropriations for fiscal year ending June 30, 1934:

Personal service	$1,671,460.00
Maintenance and operation	770,129.00
State aid to county laboratories	110,000.00
State aid to county health activities	442,211.24
Emergency poliomyelitis fund	25,000.00
Construction and permanent betterments	1,853,700.00
Total	4,872,500.24

NEW YORK—Continued

Other sources of revenue:
Fees from certified transcripts of birth, death, and marriage certificates, $2,737.05 per annum
Licensing laboratories, $449
Sale of serums, $1,921.57
Licensing of embalmers and undertakers, $5,521.50
Registration of embalmers and undertakers, $27,508.50
Rental of radium, estimated, $920.
Care of county cases at reconstruction house, $104,437.88
Refund of transportation of discharged patients from tuberculosis hospital, Ray Brook, estimated, $4,000
Publications issued by health department:
Weekly Health News
Monthly Vital Statistics Review
Annual report

NORTH CAROLINA

Board of health:
Carl V. Reynolds, M.D., president, Asheville
S. D. Craig, M.D., vice president, Winston-Salem
G. G. Dixon, M.D., Ayden
J. N. Johnson, D.D.S., Goldsboro
H. Lee Large, M.D., Rocky Mount
H. G. Baity, Chapel Hill
W. T. Rainey, M.D., Fayetteville
Hubert B. Haywood, M.D., Raleigh
James P. Stowe, Ph.G., Charlotte
Executive health officer:
*James M. Parrott, M.D., secretary and State health officer, Raleigh
Division of laboratories and vital statistics:
*John H. Hamilton, M.D., director, Raleigh
*R. T. Stimpson, M.D., bureau of vital statistics, Raleigh
Division of sanitary engineering:
*Warren H. Booker, C.E., director, Raleigh
Division of preventive medicine:
*G. M. Cooper, M.D., director, Raleigh
(a) Maternity and infancy
(b) Health education
Division of county health work:
M. V. Ziegler, M.D., director, pro tem, Raleigh
Bureau of epidemiology:
J. C. Knox, M.D., director, Raleigh
Division of oral hygiene:
*Ernest A. Branch, D.D.S., director, Raleigh
Appropriation for fiscal year ending June 30, 1933, $215,275.
Other sources of revenue: Special fees, $66,512.

NORTH DAKOTA

Advisory health council:
John Crawford, M.D., New Rockford
Agnes Stucke, M.D., Garrison
C. W. Livingston, D.D.S., Minot
P. O. Sather, attorney general, ex officio, Bismarck
Arthur E. Thompson, superintendent of public instruction, ex officio, Bismarck
Maysil M. Williams, M.D., C.P.H., State health officer
Executive health officer:
*Maysil M. Williams, M.D., C.P.H., State health officer, Bismarck
Bureau of child hygiene and public-health nursing:
(No appropriation)
Bureau of venereal diseases:
(No appropriation)
Bureau of sanitary engineering:
(No appropriation)
Bureau of vital statistics:
(No appropriation)

NORTH DAKOTA—Continued

Appropriations for biennial period ending June 30, 1935:

Salary State health officer	$4,800
Director of preventable diseases	2,000
Bureau of child hygiene and public health nursing	6,113
Director of division of child hygiene	3,584
Three stenographers	2,400
One nurse	2,529
Postage	700
Office supplies	300
Printing and lithographing	500
Miscellaneous	250
Travel expense	1,500
Tabulating, indexing, filing, and binding birth, death, and marriage certificates	1,000

OHIO

Public-health council:
- H. S. Southard, M.D., chairman, Columbus
- James E. Bauman, secretary
- G. D. Lummis, M.D.
- R. M. Calfee
- W. I. Jones, D.D.S.
- (Vacancy)

Executive health officer:
- *H. S. Southard, M.D., director of health, Columbus

Assistant director of health:
- *James E. Bauman

Division of administration:
- *James E. Bauman, chief
- *C. A. Orrison, chief clerk
- Bureau of publicity:
  - *Paul Mason, director
- Bureau of local health organization:
  - *R. W. DeCrow, M.D., chief

Division of communicable diseases:
- *Finley Van Orsdall, M.D., chief
- Bureau of tuberculosis:
  - *W. J. Smith, M.D.
- Bureau of venereal diseases:
  - *W. P. Johnson, M.D.
- Bureau of prevention of blindness:
  - *W. P. Johnson, M.D.

Division of sanitary engineering:
- *F. H. Waring, chief
- Bureau of plumbing inspection:
  - *George Wood, acting chief

Division of vital statistics:
- *Irva C. Plummer, chief

Division of laboratories:
- *Leo F. Ey, chief

Division of hygiene:
- *E. R. Hayhurst, M.D., chief
- Bureau of hospitals:
  - *Clara E. Reeder, R.N., chief
- Bureau of dental hygiene:
- Bureau of child hygiene:
- Bureau of occupational diseases:

Appropriations for 12 months ending Dec. 31, 1933 and 1934:

	1933	1934
Personal services	$178,495.73	$178,495.73
Maintenance	53,087.60	53,087.60
State aid for health districts	150,000.00	150,000.00
Total	381,583.33	381,583.33

Publications issued by health department:
- Ohio Health News (semimonthly)

OKLAHOMA

Executive health officer:
- *G. N. Bilby, M.D., State health commissioner, Oklahoma City

OKLAHOMA—Continued

Assistant State health commissioner:
- *J. P. Folan, Oklahoma City

Bureau of vital statistics:
- *Juanita Johnston Smith, registrar

Bureau of laboratories:
- *Katherine Harris, bacteriologist
- *Hannah Wallock, assistant bacteriologist
- *Taylor Rogers, chemist

Bureau of sanitary engineering:
- *H. J. Darcey, B.S. in Engineering, director

Appropriations for fiscal years ending June 30, 1934 and 1935:

Administration:	
Commissioner	$3,840
Assistant commissioner	2,100
Secretary and stenographer	1,320
Bookkeeper	1,500
Bureau of diagnostic laboratory:	
Chemist	2,400
Assistant chemist	1,500
Bacteriologist	1,800
Assistant bacteriologist	1,800
Record clerk	1,200
Extra help—janitor	900
Manufacture typhoid and toxoid-vaccine	2,500
Bureau of sanitary engineering:	
Engineer	2,800
Bureau of pure food, drugs, and sanitary inspection:	
Inspectors (4 at $1,500 each)	6,000
Bureau of vital statistics:	
Registrar	2,000
Assistant registrar	1,200
Statistical clerks (2 at $1,200)	2,400
Travel, administration	6,000
Communication	3,500
Printing, administration	2,500
Office supplies	500
Medical supplies	7,000
Office equipment	250
Laboratory equipment	900
Bureau of epidemiology, Bureau of rural sanitation and disease control in the rural districts, and dental health education	17,500
Malaria control	7,500
Registrars of vital statistics	20,000
Total	100,910

OREGON

Board of health:
- N. E. Irvine, M.D., president, Lebanon
- Albert Mount, M.D., vice president, Oregon City
- Robert L. Benson, M.D., Portland
- J. P. Brennan, M.D., Pendleton
- H. H. Foskett, M.D., Portland
- J. H. Rosenberg, M.D., Prineville
- J. H. Rossman, D.M.D., Portland

Executive health officer:
- *Frederick D. Stricker, M.D., secretary and State health officer, Portland

Registrar of vital statistics:
- *Frederick D. Stricker, M.D., Portland

Division of public health nursing and child hygiene:
- *Mary P. Billmeyer, R. N., Portland

Director of laboratory:
- *William Levin, D.P.H., Portland

Appropriations for fiscal year ending December 31, 1933, $28,864.50.

Publications issued by health department:
- Annual report
- Biennial report
- Pamphlets and posters
- Weekly letter

PENNSYLVANIA

Advisory health board:
- Theodore B. Appel, M.D., chairman
- Ross V. Patterson, M.D., Philadelphia
- William G. Turnbull, M.D., Philadelphia
- John M. Beck, M.D., Alexandria
- C. B. Auel, M.E., Pittsburgh
- Saylor T. McGhee, M.D., Lock Haven
- W. L. Eicher, Oakmont

PENNSYLVANIA—Continued

Sanitary water board:
Theodore B. Appel, M.D., chairman
Lewis E. Staley, secretary of forests and waters, Harrisburg
O. M. Deibler, commissioner of fisheries, Harrisburg
P. T. Davis, Clearfield
Elmer A. Holbrook, Pittsburgh
W. C. McCormick, Williamsport
W. L. Stevenson, chief engineer and secretary, Harrisburg
Edmund C. Wingerd, Chambersburg

Executive bureau:
*Theodore B. Appel, M. D., secretary of health, Lancaster
*J. Bruce McCreary, M.D., deputy secretary of health, Shippensburg
*Clifton T. Williams, comptroller, Harrisburg

Division of accounts:
*E. J. McNamara, Philadelphia

Division of supplies:
*Roy G. Miller, Harrisburg

Division of laboratories:
*John L. Laird, M.D., Philadelphia

Institutions:
Mont Alto sanatorium:
*R. H. McCutcheon, M.D., medical director, South Mountain
Cresson sanatorium:
*T. H. A. Stites, M.D., medical director, Cresson
Hamburg sanatorium:
*H. A. Gorman, M.D., medical director, Hamburg
State hospital for crippled children:
*Francis S. Chambers, M.D., medical director, Elizabethtown
*L. G. Ownes, business manager, Elizabethtown

Bureau of health law enforcement:
*J. Bruce McCreary, M.D.

Division of school inspection:
*Charles W. Sheldon, M.D., county medical director, Wellsboro
*John W. German, Harrisburg

Pre-school division:
*Mary Riggs Noble, M.D., Harrisburg

Division of public health education:
*J. C. Funk, LL.B., Harrisburg

Division of drug control:
*Harold V. Smith, Curwensville

Division of restaurant hygiene:
*Howard M. Haines, Harrisburg

Bureau of health conservation:
*J. Moore Campbell, M.D., Harrisburg

Division of tuberculosis clinics:
*John B. Critchfield, M.D., Lock Haven

Division of environmental hygiene:
*Howard F. Bronson, Harrisburg

Division of genito-urinary diseases:
*Edgar S. Everhart, M.D., Lemoyne

Division of epidemiology:
*S. J. Dickey, M.D., Harrisburg

Bureau of nursing:
*Mrs. Mary S. Evans, R.N., Harrisburg

Bureau of milk control:
*Robert F. Brinton, West Chester

Bureau of sanitary engineering:
*W. L. Stevenson, Harrisburg

Bureau of vital statistics:
*Emlyn Jones, M.D., Johnstown

Appropriations for biennial period ending May 31, 1935:

Salary of secretary	$20,000
General health purposes and maintenance of sanatoria and hospital for crippled children	5,123,000
Orthopedic unit	50,000
Salinity survey of Delaware River	25,000
Total	5,218,000

PHILIPPINE ISLANDS

Director of health:
*Jacobo Fajardo, M.D., Manila

Assistant to the director:
Regino G. Padua, M.D., D.T.M., Dr.P.H.

Council of hygiene, advisory board to the director of health:
Benito Valdes, M.D., chairman
Gervasio de Ocampo, M.D.
Jose Albert, M.D.
Proceso Gabriel, M.D.
Hilario Lara, M.D., Dr.P.H.
Eulogio P. Revilla, LL.B.
Vicente P. Genato.
Jose P. Bantug, Ph.G., M.D., secretary

Executive health officer:
*Jacobo Fajardo, M.D., director of health, Manila

Division of administration:
*Leoncio Lopez-Rizal, M.D., chief
*Geronimo Mercado, P.A., chief clerk
Personnel section:
*Jose Villacorta, chief
Records section:
*Victorio Yabot, chief
Finance section:
*Lope O. Tayao, chief
Property section:
*Bonifacio Mencias, M.D., chief
Publicity section:
*Jose P. Bantug, Ph.G., M.D., chief
Nursing section:
*Genera S. Manongdo, R.N., chief
Nutrition section:
Froilan Eubanas, M.D., C.P.H., in charge

Division of hospitals and dispensaries:
*Eusebio D. Aguilar, M.D., chief
Baguio hospital:
*Teodoro C. Arvisu, M.D., chief
Culion Leper Colony:
*Jose M. Raymundo, M.D., C.P.H., chief
*Casimiro B. Lara, M.D., chief physician
Insular Psychopathic Hospital:
Elias Domingo, M.D., chief alienist
San Lazaro Hospital:
Catalino Gavino, M.D., chief
Southern Islands Hospital:
Augusto P. Villalon, M.D., chief

Division of maternal and child hygiene:
*Tranquilino Elicaño, M.D., chief
Section of school health supervision:
Mariano C. Icasiano, M.D., C.P.H., chief
Section of puericulture center clinics:
Demetrio Belmonte, M.D., chief
Section of maternity hospitals:
*Fe S. Horilleno, M.D., chief
Section of midwifery instruction:
Eusebio Salud, M.D., chief

Division of epidemiology:
*Eugenio Hernando, M.D., C.P.H., chief
Section of vital statistics:
*Jose Guidote, M.D., C.P.H., chief
Section of tuberculosis control:
*Sixto A. Francisco, M.D., chief
Section of leprosy:
*Sulpicio Chiyuto, M.D., chief
*Cristobal Manalang, M.D., D.T.M., chief pathologist
*Jose Rodriguez, M.D., C.P.H., general supervisor of regional leprosy treatment stations
Section of malaria control:
Antonio Ejercito, M.D., chief
Section of control of other preventable diseases:
Angel Alomia, M.D., C.P.H., chief

Division of sanitation:
*Gabriel Intengan, M.D., chief
Section of urban sanitation:
*Felipe Arenas, M.D., C.P.H., chief
Section of rural sanitation:
*Enrique F. Ochoa, M.D., C.P.H., chief
Section of sanitary engineering:
Manuel Mañosa, C.E., chief
Section of immunization:
*Jose Sian, M.D., C.P.H., chief

PHILIPPINE ISLANDS—Continued

Appropriation for fiscal year ending December 31, 1933:

Salaries and wages	$517,288.45
Miscellaneous expenses	490,100.84
Furniture and equipment	6,412.50
Total	1,013,801.79

Special expenses:

For tuberculosis control work, act 3743	48,390.00
Continuation of treatment and diagnosis of lepers	96,132.50
Maintenance of regional treatment stations, etc	62,224.50
Aid to specially organized Provinces	180,193.50
Aid to Prvoince of Ilocos Sur for the operation, maintenance, and equipment of the Cervantes Hospital	6,000.00
School of nursing in Baguio	4,677.50
Medicines and medical and surigcal supplies for distribution to public-school dispensaries	3,350.00
General demonstration on a small scale of the practical control of beriberi	4,688.00
Control of malaria in the regularly specially organized Provinces and municipal districts	17,778.00
For insular aid for operation and maintenance of provincial hospitals	86,008.00
For the support of the Philippine Islands Antituberculosis Society	25,000.00
For the operation of the maternity hospital, including the training of midwives in the city of Manlia	25,000.00
Aid to puericulture centers	42,507.00
Total for special expenses	601,949.00
Less required savings in any item of salaries and wages, miscellaneous expenses, furniture and equipment, and special expenses	124,177.50
Grand total of appropriation	1,491,573.29

Publications issued by the bureau of health:
- Daily Service News
- Weekly comparative epidemiological résumé
- Weekly résumé of births and deaths
- Monthly bulletin
- Health Messenger (monthly)
- Annual report
- Service numbered pamphlets
- Reprints (unnumbered pamphlets)
- Posters

PUERTO RICO

Insular board of health:
- R. López Sicardó, M.D., chairman, San Juan
- W. A. Glines, M.D., San Juan
- E. Koppisch, M.D., San Juan
- Blas C. Herrero, M.D.
- H. Cook, expert chemist
- (Vacancy)
- A. Rivera, veterinarian
- Manuel del Valle, M.D.
- A. Ortiz Toro, attorney, San Juan
- Luis B. de la Vega, M.D., secretary

Executive health officer:
- *E. Garrido Morales, M.D., Dr., P. H. commissioner of health, San Juan.
- *Antonio Arbona, M.D., assistant commissioner of health, section of public health, San Juan
- *Pedro Malaret, M.D., assistant commissioner of heatlh, section of charities, San Juan

PUERTO RICO—Continued

Division of property and accounts:
- *Abelardo Santiago, chief, San Juan

Bureau of general sanitation:
- *W. F. Lippitt, M.D., chief, San Juan

Bureau of sanitary engineering:
- *Octavio Marcano, sanitary engineer, San Juan

Biological laboratory:
- *Oscar Costa Mandry, M.D., director, San Juan

Chemical laboratory:
- *R. del Valle Sárraga, Ph.C., director, San Juan

Bureau of transmissible diseases:
- *Abel de Juan, M.D., chief, San Juan

Bureau of vital statistics:
- *Manuel A. Perez, chief, San Juan

Bureau of tuberculosis:
- *J. Rodriguez Pastor, M.D., chief, San Juan.

Bureau of malaria:
- *Walter C. Earle, M.D., chief, San Juan

Bureau of infant hygiene:
- *Marta Robert de Romeu, M.D., chief, San Juan

Bureau of public-health units:
- *George C. Payne, M.D., chief, San Juan

Division of social service:
- *Beatriz Lassalle, superintendent, San Juan

Appropriations for the fiscal year 1933–34:

Office of the commissioner	$458,585.42
Bureau of general sanitation	88,255.00
Bureau of sanitary engineering	17,340.00
Biological laboratory	31,096.00
Chemical laboratory	14,686.00
Brueau of transmissible diseases	59,510.00
Bureau of vital statistics	11,765.00
Bureau of tuberculosis	164,763.88
Bureau of malaria	40,030.00
Bureau of infant hygiene	8,612.22
Bureau of public-health units	228,377.58
Division of social service	3,300.00
Total	1,126,321.10

RHODE ISLAND

Public health commission:
- John Champlin, Jr., M.D., chairman, Westerly
- Berton W. Storrs, M.D., Portsmouth
- James H. Prior, M.D., Providence
- Dennett L. Richardson, Providence
- Charles H. Holt, M.D., Pawtucket

Executive health officer:
- *Lester A. Round, Ph.D., director of public health and State registrar, State Office Bldg., Providence

Pathologist:
- Lester A. Round, Ph.D., Providence

Chemist:
- Charles L. Poole, Providence

Appropriations for the fiscal year ending June 30, 1934:

Executive department	$48,420
Chemical department	15,930
Pathological department	31,963
Child hygiene	24,065
Veneral diseases	8,495

SOUTH CAROLINA

Executive committee, board of health:
- William Egleston, M.D., chairman, Hartsville
- Robert Wilson, Jr., M.D., Charleston
- L. D. Boone, M.D., Aiken
- D. Lesesne Smith, M.D., Spartanburg
- E. A. Hines, M.D., Seneca
- W. R. Wallace, M.D., Chester
- J. Lee Carpenter, Ph.G., Greenville
- F. M. Routh, M.D., Columbia
- George Dick, D.D.S., Sumter
- John M. Daniel, attorney general, Columbia
- A. J. Beattie, comptroller general, Columbia

Executive health officer:
- *James A. Hayne, M.D., State health officer, Columbia

SOUTH CAROLINA—Continued

Department of county health units:
*Ben F. Wyman, M.D., director, Columbia
Laboratory department:
*H. M. Smith, M.D., in charge, Columbia
*J. R. Cain, chief bacteriologist, Columbia
Bureau of vital statistics:
*Miss Nellie Cunningham, chief clerk, Columbia
Bacteriologist and chemist:
F. L. Parker, Jr., M.D., Ph.D., Charleston
South Carolina Sanitorium:
*Ernest Cooper, M.D., superintendent, State Park
Epidemiologist:
*A. H. Hayden, M.D., Columbia
Appropriations for 18 months ending June 30, 1934:

Administrative office	$52,096
Control of epidemic diseases	2,186
For 1 midwife supervisor	2,168
Bureau of vital statistics	9,384
Laboratory	12,352
Bureau of rural sanitation	33,643
Division of sanitary engineering, for 2 inspectors and expenses	5,752
Aid for crippled children	13,500
	131,081
Tuberculosis sanatoria	156,000

Publications issued by health department:
Annual report
Bulletins of various departments

SOUTH DAKOTA

Board of health:
Carl A. Feige, M.D., president, Canova
R. J. Quinn, M.D., vice president, Burke
H. J. Barton, M.D., Watertown
N. T. Owen, M.D., Rapid City
Park B. Jenkins, M.D., superintendent, Pierre
Executive health officer:
*Park B. Jenkins, M.D., Pierre
Division of vital statistics:
*Park B. Jenkins, M.D., Pierre
Division of child hygiene:
*Florence Walker Englesby, R.N., Pierre
Division of sanitary engineering:
*W. W. Towne, C.E., Pierre
Division of medical licensure:
*Park B. Jenkins, M.D., Pierre
Division of records and accounts:
*Katherine Niebuhr, Pierre
Laboratories (at Vermillion):
J. C. Ohlmacher, M.D., Vermillion
Appropriations:

	1933-34	1934-35
Salaries and wages	$10,000	$10,000
Biological products	2,000	2,000
Postage, communication, and travel	3,000	3,000
Crippled children	2,500	2,500
Dues	50	50
Infancy and maternity work	5,000	5,000
Office supplies, printing and binding	2,500	2,500
Total	25,050	25,050

TENNESSEE

Department of public health:
Central administration:
*E. L. Bishop, M.D., C.P.H., commissioner, Nashville
County and other local health work:
*W. K. Sharp, Jr., M.D., director, Nashville
Child hygiene and public health nursing:
Miss Donna Pearce, associate director, public health nursing, Nashville

TENNESSEE—Continued

Department of public health—Continued.
Central administration—Continued.
Division of vital statistics:
*R. H. White, Ph.D., director, Nashville
Division of preventable diseases:
*J. A. Crabtree, M.D., C.P.H., director, Nashville
Division of laboratories:
*William Litterer, M.D., director, Nashville
Division of sanitary engineering:
*Roy J. Morton, C.E., director, Nashville
State appropriation for biennium July 1, 1933, to June 30, 1935, $350,885.
Balance from old appropriation, supplementary, approximately, $90,000.
Other sources of revenue:

Rockefeller Foundation, International Health Division	$38,540
Commonwealth fund	36,504
National Tuberculosis Association (balance from last year)	764
U.S. Public Health Service (trachoma only) (no budget adopted for present fiscal year)	4,230

TEXAS

State board of health:
C. M. Rosser, M.D., Chairman, Dallas
J. M. Howe, C.E., vice chairman, Houston
E. W. Wright, M.D., Bowie
J. S. Wooten, M.D., Austin
J. M. Frazier, M.D., Belton
J. B. Brady, D.D.S., El Paso
S. A. Woodward, M.D., Fort Worth
J. S. McCelvey, M.D., Temple
Henry Hein, Ph.G., San Antonio
Executive health officer:
*John W. Brown, M.D., State health officer, Austin
Bureau of child hygiene:
*H. N. Barnett, M.D., director
Bureau of vital statistics:
*W. A. Davis, M.D., director
Bureau of laboratories:
*S. W. Bohls, M.D., director
Bureau of rural and county health work:
*K. E. Miller, M.D., U.S.P.H.S., director
Bureau of communicable disease control and epidemiology:
*Chas. D. Reese, M.D., director
Bureau of sanitary engineering:
*V. M. Ehlers, C.E., director
Bureau of foods and drugs:
*E. C. Koerth, Ph.G., director
Bureau of public health education:
*L. E. Bracy, director
Appropriations for fiscal years 1934-35, per annum, $189,380.

UTAH

Board of health:
Joseph R. Morrell, M.D., president, Ogden
T. B. Beatty, M.D., secretary, Salt Lake City
Joseph H. Peck, M.D., Tooele
T. J. Howells, M.D., Salt Lake City
W. D. Donoher, M.D., Salt Lake City
R. A. Hart, C.E., Salt Lake City
Barnet E. Bonar, M.D., Salt Lake City
Executive health officer:
*T. B. Beatty, M.D., State health commissioner, Salt Lake City
Bureau of vital statistics:
*T. B. Beatty, M.D., State registrar
Bureau of child hygiene:
*T. B. Beatty, director
Sanitary engineer:
*Lynn Thatcher
Bacteriological laboratory:
*E H. Bramhall, bacteriologist
Appropriations for 2 years ending June 30, 1935, $40,000.
Publications issued by health department:
Quarterly bulletin
Biennial report

VERMONT

Board of health:
William G. Ricker, M.D., chairman, St. Johnsbury
Claude M. Campbell, M.D., Manchester
Charles G. Abell, M.D., Enosburg Falls
Executive health officer:
*Charles F. Dalton, M.D., secretary, State board of health, Burlington
Laboratory of hygiene:
*Charles F. Whitney, M.D., Burlington
Sanitary engineering:
Earle L. Waterman, C.E., director, Burlington
Sanitary inspector:
*Fred S. Kent, M.D., Burlington
Division of communicable diseases:
*Fred S. Kent, M.D., Burlington
Division of tuberculosis:
*H. W. Slocum, Burlington
Division of poliomyelitis:
*Lillian E. Kron, R.N., Burlington
Division of maternity and infancy:
*Nellie M. Jones, R.N.
Appropriations for fiscal year ending June 30, 1934, $44,000; 1935, $52,000.
Other sources of revenue:
Private donations for study and treatment of infantile paralysis.
Publications issued by health department:
Biennial report

VIRGIN ISLANDS

Executive health officer:
*R. B. Stafford, M.D., commissioner of public health, St. Thomas

VIRGINIA

Board of health:
W. T. Graham, M.D., president, Richmond
Mrs. Franklin H. Kenworthy, Purcellville
Frank Darling, Hampton
J. A. McGuire, M.D., Norton
George B. Lawson, M.D., Roanoke
Guy R. Harrison, D.D.S., Richmond
L. T. Royster, M.D., University
Executive health officer:
*W. F. Draper, M.D., Richmond
Assistant health officer:
*Roy K. Flannagan, M.D., Richmond
Director of county health work and tuberculosis out-patient service:
*I. C. Riggin, M.D., Richmond
Epidemiologist:
*G. F. McGinnes, M.D., Richmond
Director of child health:
*B. B. Bagby, M.D., Richmond
Registrar of vital statistics:
*W. A. Plecker, M.D., Richmond
Director of public-health nursing:
*Mary I. Mastin, R.N., Richmond
Director of mouth hygiene:
*N. T. Ballou, D.D.S., Richmond
Bacteriologist:
*Adah Corpening, Richmond
Chief sanitary engineer:
*Richard Messer, C.E., Richmond
Appropriations (subject to 30 percent reduction) for the fiscal year ending June 30, 1934:

Administration	$23,805
Sanitary engineering	21,500
Publicity	10,620
Town sanitation	4,500
Social hygiene	2,395
Prevention of tuberculosis	61,450
Control of epidemics	9,525
Laboratories	21,005
Promotion of child health	53,230
Rural health work	98,540
Shellfish inspection—sanitation	25,000
Vital statistics	26,575
Orthopedic treatment	25,000
Collection and publication of marriage and divorce statistics	3,770
Prevention of blindness	2,300
Tuberculosis sanatoria	345,495
Total	734,710

Publications issued by health department:
Monthly bulletin
Annual report

WASHINGTON

Board of health:
E. R. Coffey, M.D., director of health, chairman, Seattle
Ralph Hendricks, M.D., Spokane
Alexander Peacock, M.D., Seattle
H. E. Wight, D.D.S., Yakima
E. N. Hutchinson, D.V.M., Olympia
Department of health:
*E. R. Coffey, M.D., director, Seattle
Division of laboratories and epidemiology:
*A. U. Simpson, M.D., epidemiologist, Seattle
Division of public-health engineering:
*Roy M. Harris, Seattle.
Division of public-health nursing and child hygiene:
*Mrs. Mary Louise Allen, R.N., Seattle
Division of vital statistics:
*Francis D. Rhoads, State registrar, Seattle
Appropriation for 2 years ending March 31, 1935:

Salaries	$48,787
Operation	29,250
State aid to local tuberculosis sanatoria	350,000

WEST VIRGINIA

Public health council:
A. H. Hoge, M.D., Bluefield
S. W. Price, M.D., Scarbro
W. C. D. McCuskey, M.D., Wheeling
W. E. Vest, M.D., Huntington
B. W. Swint, M.D., Charleston
M. T. Morrison, M.D., Sutton
W. E. Minghini, D.D.S., Martinsburg
Arthur E. McClue, M.D., commissioner of health, Charleston
Executive health officer:
*Arthur E. McClue, M.D., commissioner of health, Charleston
Division of sanitary engineering:
*Ellis S. Tisdale, chief engineer, Charleston
*John B. Harrington, B.E., assistant engineer, Charleston
*H. K. Gidley, assistant engineer, Charleston
*S. C. Rothman, assistant engineer, Charleston
Division of vital statistics:
*Carl F. Raver, M.D., M.P.H., director, Charleston
Division of child hygiene:
*A. M. Price, M.D., acting director, Charleston
State advisory nurse:
*Mrs. Mary Keith Cauthorne, R.N., Charleston
Division of preventable diseases:
*Arthur E. McClue, M.D., acting director, Charleston
Bureau of venereal diseases:
*Mrs. Ada C. McDermott, associate director, Charleston
Division of rural sanitation:
*A. M. Price, M.D., director, Charleston
Hygienic laboratory:
*Elizabeth I. Parsons, director, Charleston
*Margaret K. Riffe, technician, Charleston
*J. Roy Monroe, technician, Charleston
*Mark C. Harp, technician, Charleston
Bureau of public health education:
*Dorothea Campbell, director, Charleston
Appropriation for fiscal year ending June 30, 1934:

For general use	$100,000
Fees (if collected)	7,500
Salary of commissioner	3,600
Total	111,100

Other sources of revenue:
Expenses of cooperative rural-health work with the Rockefeller Foundation
Publications issued:
Annual report
Quarterly bulletin

WISCONSIN

Board of health:
G. Windesheim, M.D., president, Kenosha
Joseph Dean, M.D., vice president, Madison
J. J. Seelman, M.D., Milwaukee
Mina B. Glasier, M.D., Bloomington
Stephen Cahana, M.D., Milwaukee
H. H. Ainsworth, M.D., Birchwood
C. A. Harper, M.D., State health officer, Madison

WISCONSIN—Continued

Executive health officer:
- *C. A. Harper, M.D., State health officer, Madison

Assistant State health officer:
- *G. W. Henika, M.D., Madison

Deputy State health officers:
- *W. J. Miller, M.D., Madison
- *G. E. Hoyt, M.D., Milwaukee
- *V. A. Gudex, M.D., Oshkosh
- *F. P. Daly, M.D., Chippewa Falls
- *R. L. Frisbie, M.D., Rhinelander

Bureau of vital statistics:
- *C. A. Harper, M.D., State registrar, Madison
- *L. W. Hutchcroft, statistician, Madison

Bureau of communicable diseases:
- *H. M. Guilford, M.D., director, Madison

Bureau of sanitary engineering:
- *L. F. Warrick, State sanitary engineer, Madison
- *O. J. Muegge, assistant sanitary engineer, Madison
- *E. J. Beatty, assistant sanitary engineer, Madison
- *J. M. Holderby, assistant sanitary engineer, Madison
- *E. J. Tully, chemical engineer, Madison

Bureau of education:
- *John Culnan, director, Madison

Bureau of child welfare:
- *Charlotte Calvert, M.D., director, Madison
- *Frances Cline, M.D., child-health physician, Madison
- *Margaret Nelson, M.D., child-health physician, Madison
- *Elizabeth Taylor, M.D., child-health physician
- *Helen Thayer, organizer of infant hygiene courses, Madison

Bureau of public-health nursing:
- *Cornelia Van Kooy, R.N., director, Madison
- *Edith L. Olson, R.N., field advisory nurse, Madison
- *Ada Newman, R.N., field advisory nurse, Madison
- *Martha Jenny, R. N., field advisory nurse, Madison

Bureau of nursing education:
- *Adda Eldredge, R.N., director, Madison

Bureau of plumbing and domestic sanitary engineering:
- *Frank R. King, State domestic sanitary engineer, Madison

Bureau of social hygiene:
- *H. M. Guilford, M.D., director, Madison
- *Aimee Zillmer, lecturer, Madison
- *D. M. Warner, lecturer, Madison

Laboratory service:
- *W. D. Stovall, M.D., director, State laboratories, Madison
- *M. S. Nichols, chemist, State laboratory, Madison
- *Anna Brandsmark, director, branch laboratory, Rhinelander

WISCONSIN—Continued

Laboratory service—Continued.
- *Mildred Englebert, director, cooperative laboratory, Beloit
- *Marjorie Bates, director, cooperative laboratory, Oshkosh
- *Henry Miller, director, cooperative laboratory, Kenosha
- *Josephine Foote, director, cooperative laboratory, Wausau
- *Martha Thompson, director, cooperative laboratory, Superior
- *Clarissa McFetridge, director, cooperative laboratory, Green Bay
- *Elizabeth Mathewson, director, cooperative laboratory, Sheboygan

Appropriations for each of fiscal years ending June 30, 1934 and 1935:

General administration	$135,000
Licensing:	
Embalmers	5,000
Hotels and restaurants	27,000
Barbers	15,000
Plumbers	16,000
Beauty parlors	15,000
Nurses	16,000
(All monies received as license fees revert directly to the State general fund and the above amounts are appropriated for the various departments' use in each field.)	
Bureau of child welfare and public health nursing	43,350
Enforcement of medical practices act	2,500
Total	274,850

Publications issued by health department:
- Quarterly bulletin
- Biennial report
- Other bulletins on communicable diseases

WYOMING

Board of health:
- Earl Whedon, M.D., president, Sheridan
- J. R. Nagle, M.D., vice president, Worland
- W. H. Hassed, M.D., secretary and executive officer, Cheyenne
- B. V. McDermott, M.D., Hanna
- Evald Olson, M. D., Meeteetse
- W. H. Hassed, M.D., State health officer, Cheyenne

Executive health officer:
- *W. H. Hassed, M.D., State health officer, Cheyenne

Appropriations for biennial period ending Mar. 31, 1935:

State board of health	$9,000
Salary of secretary	8,000
Maternal and infant welfare	5,000
Bureau of vital statistics	2,800
Total	24,800

DEATHS DURING WEEK ENDED DECEMBER 2, 1933

[From the Weekly Health Index, issued by the Bureau of the Census, Department of Commerce]

	Week ended Dec. 2, 1933	Corresponding week 1932
Data from 85 large cities of the United States:		
Total deaths	8,110	8,427
Deaths per 1,000 population, annual basis	11.4	12.0
Deaths under 1 year of age	558	627
Deaths under 1 year of age per 1,000 estimated live births (81 cities)	47	51
Deaths per 1,000 population, annual basis, first 48 weeks of year	10.9	11.0
Data from industrial insurance companies:		
Policies in force	67,366,613	69,717,605
Number of death claims	11,301	13,247
Death claims per 1,000 policies in force, annual rate	8.7	9.9
Death claims per 1,000 policies, first 48 weeks of year, annual rate	9.7	9.5

PREVALENCE OF DISEASE

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring

UNITED STATES

CURRENT WEEKLY STATE REPORTS

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers

Reports for Weeks Ended December 9, 1933, and December 10, 1932

Cases of certain communicable diseases reported by telegraph by State health officers for weeks enaed Dec. 9, 1933, and Dec. 10, 1932

Division and State	Diphtheria		Influenza		Measles		Meningococcus meningitis	
	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec, 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932
New England States:								
Maine	4	2	6		1	2	0	0
New Hampshire	4				104		0	0
Vermont	1	2			113	1	0	0
Massachusetts	33	36		8	556	132	1	1
Rhode Island					8		0	0
Connecticut	5	11	10	7	10	23	0	0
Middle Atlantic States:								
New York	51	70	[1] 22	[1] 30	537	515	10	5
New Jersey	19	36	22	20	48	169	4	5
Pennsylvania	56	92			249	250	1	3
East North Central States:								
Ohio	87	56	5	256	85	284	0	2
Indiana	98	77	27	440	31	17	2	4
Illinois	58	66	19	119	33	87	7	7
Michigan	15	32	9	21	50	344	2	0
Wisconsin	19	16	40	65	135	215	4	1
West North Central States:								
Minnesota	6	16		3	39	168	0	0
Iowa [2]	11	14	1		2		0	0
Missouri	83	48	9	123	92	31	1	0
North Dakota	6	8			28	78	0	0
South Dakota	38	18		1	298	4	0	1
Nebraska	4	7		6	13	1	2	0
Kansas	38	29	4	37	45	4	3	1
South Atlantic States:								
Delaware		4	3	6		1	1	0
Maryland [2] [3]	27	17	32	57	8	8	0	0
District of Columbia	10	10	2	13	31	2	0	0
Virginia	81	47			45	187	3	0
West Virginia	64	41	65	24	7	116	4	1
North Carolina [4]	86	48	16	68	470	96	2	2
South Carolina [4]	28	13	569	1,092	91	9	0	0
Georgia [4]	26	23		2,079	375	11	0	0
Florida [4]	9	20	2	22		1	0	0
East South Central States:								
Kentucky	72	48		683	5		3	1
Tennessee	51	46	47	1,881	153		2	1
Alabama [4]	40	52	95	6,687	54		0	2
Mississippi [2]	16	23					0	2
West South Central States:								
Arkansas	26	20	32	1,090	116	1	0	0
Louisiana	24	26	22	7,149	10	1	0	0
Oklahoma [2]	63	44	48	469	63	3	3	0
Texas [4]	250	207	197	530	70	50	0	0

See footnotes at end of table.

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended Dec. 9, 1933, and Dec. 10, 1932—Continued

Division and State	Diphtheria		Influenza		Measles		Meningococcus meningitis	
	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932
Mountain States:								
Montana [3]	3		16	371	2	216	1	0
Idaho	1	3		4	20		0	1
Wyoming				30	14	11	0	0
Colorado	12	7	37	463	5	9	0	0
New Mexico	4	12		11	61		0	0
Arizona	4	7	6	238	6		0	0
Utah [3]		3	3	14	233	5	0	1
Pacific States:								
Washington	5	2	5	5	111	3	5	1
Oregon	9		16	457	21	51	0	2
California	42	67	44	1,565	167	42	1	1
Total	1,589	1,426	1,431	26,144	4,615	3,157	62	45

Division and State	Poliomyelitis		Scarlet fever		Smallpox		Typhoid fever	
	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932
New England States:								
Maine	0	0	9	29	0	0	0	13
New Hampshire	0	0	5	22	0	0	2	2
Vermont	0	0	4	11	0	0	0	0
Massachusetts	3	1	183	378	0	0	6	3
Rhode Island	0	0	18	43	0	0	0	1
Connecticut	1	0	76	90	0	0	0	1
Middle Atlantic States:								
New York	8	6	484	623	0	3	11	14
New Jersey	2	2	136	229	0	0	4	6
Pennsylvania	4	3	459	601	0	0	11	17
East North Central States:								
Ohio	0	2	623	406	0	16	11	14
Indiana	1	0	190	116	5	9	2	2
Illinois	0	3	409	434	2	4	16	20
Michigan	1	1	335	300	4	2	7	6
Wisconsin	1	0	119	104	37	3	1	1
West North Central States:								
Minnesota	0	0	58	68	0	1	5	2
Iowa [2]	2	0	100	32	8	26	4	1
Missouri	0	0	159	94	1	0	4	2
North Dakota	0	0	48	21	0	4	6	1
South Dakota	0	1	30	13	1	3	0	2
Nebraska	0	0	70	20	2	1	5	0
Kansas	0	0	123	84	1	1	1	1
South Atlantic States:								
Delaware	0	0	15	10	0	0	1	2
Maryland [2] [3]	0	1	106	130	0	0	11	11
District of Columbia	0	0	17	26	0	0	2	0
Virginia	0	0	154	100	0	0	15	15
West Virginia	0	0	150	65	1	2	13	15
North Carolina [4]	0	1	137	102	0	0	8	10
South Carolina [4]	2	0	12	10	0	0	9	3
Georgia [4]	0	0	17	18	0	0	9	12
Florida [4]	1	1	3	14	0	0	0	2
East South Central States:								
Kentucky	0	1	99	44	0	0	13	6
Tennessee	0	0	91	62	4	0	12	8
Alabama [4]	0	2	35	48	0	0	3	8
Mississippi [2]	0	0	33	26	1	2	3	4
West South Central States:								
Arkansas	0	0	42	19	3	4	1	3
Louisiana	1	1	30	12	1	5	24	17
Oklahoma [4]	0	1	41	45	1	0	17	7
Texas [4]	0	0	150	170	6	6	42	14

See footnotes at end of table.

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended Dec. 9, 1933, and Dec. 10, 1932—Continued

Division and State	Poliomyelitis		Scarlet fever		Smallpox		Typhoid fever	
	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932	Week ended Dec. 9, 1933	Week ended Dec. 10, 1932
Mountain States:								
Montana [3]	0	0	21	18	0	2	2	2
Idaho	0	0	11	10	0	4	1	1
Wyoming	0	1	2	2	0	0	0	1
Colorado	0	0	17	25	7	2	2	0
New Mexico	0	0	32	16	0	0	9	2
Arizona	0	0	11	53	0	0	5	0
Utah [3]	0	1	14	23	0	0	2	0
Pacific States:								
Washington	3	2	41	28	6	2	10	9
Oregon	0	0	41	17	3	5	2	1
California	7	2	221	130	13	16	36	6
Total	37	33	5,181	4,941	107	123	348	268

[1] New York City only.
[2] Week ended earlier than Saturday.
[3] Rocky Mountain spotted fever, week ended Dec. 9, 1933, 2 cases, as follows: Maryland, 1; Montana, 1.
[4] Typhus fever, week ended Dec. 9, 1933, 35 cases, as follows: North Carolina, 12; South Carolina, 1; Georgia, 12; Florida, 1; Alabama, 5; Texas, 4.
[5] Exclusive of Oklahoma City and Tulsa.

SUMMARY OF MONTHLY REPORTS FROM STATES

The following summary of cases reported monthly by States is published weekly and covers only those States from which reports are received during the current week.

State	Meningococcus meningitis	Diphtheria	Influenza	Malaria	Measles	Pellagra	Poliomyelitis	Scarlet fever	Smallpox	Typhoid fever
October 1933										
Florida		40	4	185	5	2	0	8	0	16
November 1933										
Arkansas		145	102	244	551	27	4	117	3	18
Connecticut	5	41	26		37		3	268	0	5
Delaware	2	6			5		0	24	0	14
Missouri	5	363	30	4	96		2	588	15	18
North Dakota		56	4		77		2	151	0	3
Wyoming		4			45		0	37	0	2

October 1933

	Cases
Florida:	
Chicken pox	6
Dengue	1
Dysentery	1
Mumps	14
Typhus fever	7
Whooping cough	8

November 1933

	Cases
Chicken pox:	
Arkansas	50
Connecticut	440
Delaware	53
Missouri	209
North Dakota	225
Wyoming	70
Dysentery:	
Connecticut (amoebic)	4
Connecticut (bacillary)	1
Missouri	12
North Dakota (amoebic)	4

November 1933—Con.

	Cases
German measles:	
Connecticut	2
Wyoming	44
Impetigo contagiosa:	
Wyoming	1
Lead poisoning:	
Connecticut	1
Lethargic encephalitis:	
Connecticut	1
Missouri	36
Mumps:	
Arkansas	23
Connecticut	186
Missouri	67
North Dakota	3
Wyoming	8
Paratyphoid fever:	
North Dakota	1
Psittacosis:	
Connecticut	1
Rabies in animals:	
Connecticut	8
Missouri	8

November 1933—Con.

	Cases
Scabies:	
Arkansas	7
Septic sore throat:	
Connecticut	2
Missouri	33
Wyoming	3
Tetanus:	
Connecticut	3
Trachoma:	
Arkansas	2
Tularaemia:	
Arkansas	1
Missouri	3
Undulant fever:	
Connecticut	5
Delaware	3
Missouri	2
North Dakota	1
Whooping cough:	
Arkansas	21
Connecticut	203
Delaware	39
Missouri	126
North Dakota	54
Wyoming	12

WEEKLY REPORTS FROM CITIES

City reports for week ended Dec. 2, 1933

State and city	Diphtheria cases	Influenza		Measles cases	Pneumonia deaths	Scarlet fever cases	Smallpox cases	Tuberculosis deaths	Typhoid fever cases	Whooping cough cases	Deaths, all causes
		Cases	Deaths								
Maine:											
Portland	0	------	0	0	3	0	0	0	0	0	20
New Hampshire:											
Concord	0	------	0	0	0	0	0	0	0	0	17
Nashua	0	------	0	1	0	4	0	0	0	0	0
Vermont:											
Barre	1	------	0	44	0	2	0	0	0	5	0
Burlington	3	------	0	0	0	0	0	0	0	1	4
Massachusetts:											
Boston	7	------	0	127	30	43	0	11	0	57	234
Fall River	0	------	0	0	3	2	0	6	0	2	34
Springfield	0	------	0	0	2	1	0	2	0	11	33
Worcester	1	------	0	223	4	4	0	2	0	6	45
Rhode Island:											
Pawtucket	2	------	0	0	0	2	0	0	0	0	22
Providence	1	------	1	0	8	6	0	2	1	29	62
Connecticut:											
Bridgeport	0	------	0	0	3	5	0	1	0	5	37
Hartford	1	1	0	0	1	15	0	1	0	4	43
New Haven	0	1	0	0	0	1	0	0	0	2	37
New York:											
Buffalo	1	------	3	48	20	24	0	6	0	11	152
New York	44	30	11	28	152	112	0	79	2	90	1,462
Rochester	0	------	0	2	8	11	0	0	0	15	65
Syracuse	0	------	0	0	4	3	0	1	0	36	43
New Jersey:											
Camden	1	2	1	0	6	5	0	1	1	1	42
Newark	0	2	1	0	22	9	0	5	0	14	106
Trenton	1	------	0	0	3	9	0	2	0	2	33
Pennsylvania:											
Philadelphia	5	20	11	122	54	59	0	27	1	37	517
Pittsburgh	8	6	4	0	20	28	0	6	0	22	166
Reading	0	------	0	9	5	3	0	1	0	10	34
Scranton	0	------	0	0	1	4	0	0	0	0	0
Ohio:											
Cincinnati	8	------	0	74	7	19	0	6	0	14	134
Cleveland	7	42	2	4	15	60	0	7	0	70	180
Columbus	1	------	0	0	3	34	0	4	0	0	91
Toledo	2	------	0	2	2	34	0	4	0	9	52
Indiana:											
Fort Wayne	9	------	0	0	0	7	0	0	0	0	27
Indianapolis	11	------	1	0	17	15	0	3	3	4	--------
South Bend	1	------	1	3	0	8	0	0	4	0	23
Terre Haute	2	------	0	9	3	1	0	1	0	0	13
Illinois:											
Chicago	0	8	4	4	56	155	0	35	2	70	697
Springfield	0	------	0	3	3	6	0	0	0	3	20
Michigan:											
Detroit	13	9	2	1	22	62	0	15	1	59	236
Flint	1	------	0	1	1	25	0	2	0	2	21
Grand Rapids	1	------	0	1	3	4	0	1	0	0	34
Wisconsin:											
Kenosha	0	------	0	1	0	15	0	0	0	4	7
Madison	0	--------	--------	0	------	2	0	1	0	22	24
Milwaukee	0	3	3	5	8	19	0	3	1	73	95
Racine	0	------	0	0	0	8	0	0	0	5	8
Superior	0	------	0	1	0	1	0	0	0	0	7
Minnesota:											
Duluth	0	------	0	0	0	3	0	0	0	4	23
Minneapolis	7	------	0	1	3	14	0	1	0	8	76
St. Paul	1	------	0	0	8	9	0	0	0	3	78
Iowa:											
Des Moines	3	------	--------	0	------	12	3	------	0	1	26
Sioux City	2	------	--------	0	------	7	0	------	0	1	--------
Waterloo	0	------	0	1	------	0	0	------	0	0	--------
Missouri:											
Kansas City	8	1	1	1	9	23	0	6	0	5	86
St. Joseph	6	------	0	1	5	1	0	2	0	0	43
St. Louis	15	------	--------	29	17	31	0	10	5	25	215
North Dakota:											
Fargo	0	------	0	1	0	1	0	0	0	1	0
Grand Forks	0	------	0	1	0	0	0	0	0	3	0

City reports for week ended Dec. 2, 1933—Continued

State and city	Diphtheria cases	Influenza		Measles cases	Pneumonia deaths	Scarlet fever cases	Smallpox cases	Tuberculosis deaths	Typhoid fever cases	Whooping cough cases	Deaths, all causes
		Cases	Deaths								
South Dakota:											
Aberdeen	0	------	0	0	0	0	0	0	0	0	0
Sioux Falls	0	------	0	50	0	0	0	0	0	0	7
Nebraska:											
Omaha	0	------	0	5	5	7	1	0	0	1	44
Kansas:											
Topeka	0	------	0	0	3	7	0	0	1	4	22
Wichita	0	------	0	0	2	6	0	0	0	0	28
Delaware:											
Wilmington	0	------	0	1	4	0	0	0	1	2	30
Maryland:											
Baltimore	5	11	1	0	23	30	0	11	1	55	217
Cumberland	1	------	0	0	1	3	0	0	0	2	12
Frederick	0	------	0	0	0	3	0	0	0	0	1
District of Columbia:											
Washington	17	1	1	18	14	12	0	10	1	20	164
Virginia:											
Lynchburg	0	------	0	0	0	5	0	1	1	1	6
Richmond	1	------	0	0	3	12	0	1	0	1	50
Roanoke	9	------	0	0	2	7	0	0	0	0	15
West Virginia:											
Charleston	6	1	0	0	3	4	0	0	0	0	21
Huntington	4	------	0	0	0	10	0	0	0	0	0
Wheeling	1	------	0	1	3	6	0	0	0	2	21
North Carolina:											
Raleigh	1	------	0	0	3	1	0	0	1	2	12
Wilmington	------	------	------	------	------	------	------	------	------	------	------
Winston-Salem	13	------	0	138	2	12	0	1	0	0	18
South Carolina:											
Charleston	0	42	0	0	9	0	0	1	0	2	26
Columbia	0	------	0	0	1	0	0	0	0	0	10
Greenville	0	------	0	0	1	1	0	0	0	0	16
Georgia:											
Atlanta	5	14	2	1	6	5	0	2	0	3	76
Brunswick	0	------	0	1	0	0	0	0	0	0	3
Savannah	0	19	1	0	6	3	0	0	1	0	36
Florida:											
Miami	0	------	0	0	0	0	0	1	0	4	16
Tampa	2	------	0	0	0	2	0	2	0	1	24
Kentucky:											
Ashland	1	------	------	0	------	1	0	------	2	3	------
Lexington	1	------	0	0	1	1	0	------	1	0	12
Louisville	15	------	0	1	6	9	0	1	0	2	74
Tennessee:											
Memphis	9	------	0	2	11	19	0	3	1	1	89
Nashville	0	------	1	3	4	6	0	2	0	2	49
Alabama:											
Birmingham	11	2	1	1	9	10	0	4	1	1	93
Mobile	2	------	0	0	5	0	0	0	0	0	33
Montgomery	2	------	------	0	------	3	0	------	1	0	------
Arkansas:											
Fort Smith	2	------	------	0	------	2	0	------	0	3	------
Little Rock	1	------	0	5	1	0	0	0	0	0	1
Louisiana:											
New Orleans	8	2	5	3	13	6	0	8	2	0	152
Shreveport	5	------	0	0	3	2	0	0	0	0	33
Texas:											
Dallas	26	1	1	0	5	5	0	3	[1] 1	0	71
Fort Worth	8	------	0	0	2	7	0	1	1	2	37
Galveston	3	------	0	0	1	2	0	1	0	0	18
Houston	16	------	2	0	6	7	0	6	0	0	82
San Antonio	7	------	1	0	4	6	0	6	0	5	64
Montana:											
Billings	0	------	0	0	0	1	0	0	0	0	4
Great Falls	0	------	0	0	0	0	0	0	0	1	8
Helena	0	------	0	0	0	2	0	0	0	0	1
Missoula	0	------	0	0	1	0	0	0	0	0	10
Idaho:											
Boise	0	------	0	1	0	0	0	0	0	1	5
Colorado:											
Denver	2	37	1	1	7	19	0	2	1	24	66
Pueblo	0	------	0	0	1	0	0	0	0	5	5

[1] Imported.

City reports for week ended Dec. 2, 1933—Continued

State and city	Diphtheria cases	Influenza		Measles cases	Pneumonia deaths	Scarlet fever cases	Smallpox cases	Tuberculosis deaths	Typhoid fever cases	Whooping cough cases	Deaths, all causes
		Cases	Deaths								
New Mexico:											
Albuquerque	1	------	0	0	4	2	0	2	0	2	12
Utah:											
Salt Lake City	0	------	0	73	2	9	0	2	0	9	35
Nevada:											
Reno	0	------	0	0	0	0	0	0	0	0	0
Washington:											
Seattle	0	------	------	2	4	2	0	9	1	35	71
Spokane	0	------	------	76	4	3	0	------	0	0	30
Tacoma	0	------	0	0	3	3	0	2	1	15	31
Oregon:											
Portland	0	------	0	0	5	17	3	2	0	0	69
Salem	0	------	0	0	0	1	0	0	0	0	0
California:											
Los Angeles	16	38	0	7	15	58	2	12	5	49	239
Sacramento	0	------	0	4	3	3	0	1	1	0	25
San Francisco	4	------	2	0	8	5	0	9	0	15	157

State and city	Meningococcus meningitis		Poliomyelitis cases	State and city	Meningococcus meningitis		Poliomyelitis cases
	Cases	Deaths			Cases	Deaths	
Massachusetts:				Kansas:			
Fall River	0	0	1	Topeka	0	1	0
Worcester	0	0	1	Maryland:			
Connecticut:				Baltimore	0	0	2
Hartford	1	0	0	Cumberland	0	1	0
New York:				Georgia:			
New York	2	3	0	Atlanta	1	0	0
Pennsylvania:				Tennessee:			
Pittsburgh	2	0	0	Nashville	1	1	0
Indiana:				Texas:			
Indianapolis	1	1	0	Galveston	1	0	0
Illinois:				Houston	0	0	1
Chicago	5	0	0	Montana:			
Wisconsin:				Missoula	0	0	1
Madison	0	0	1	Colorado:			
Milwaukee	1	0	0	Denver	0	0	1
Minnesota:				Utah:			
St. Paul	0	0	2	Salt Lake City	0	0	1
Missouri:				California:			
St. Joseph	0	1	0	Los Angeles	1	0	2
St. Louis	2	1	0	San Francisco	1	0	0

Lethargic encephalitis.—Cases: New York, 2; Cincinnati, 1; Cleveland, 2; Detroit, 1; Grand Rapids Mich., 1; St. Louis, 3; Richmond, Va., 1; Birmingham, 2; Dallas, Tex., 1; Portland, Oreg., 1.

Pellagra.—Cases: Washington, D.C. 1; Savannah, 1; Memphis, 1; Dallas, Tex., 1.

Typhus fever.—Cases: Providence, R.I., 2 (imported); Atlanta, 2; Houston, Tex., 1.

FOREIGN AND INSULAR

CANADA

Quebec Province—Communicable diseases—Two weeks ended December 2, 1933.—The Bureau of Health of the Province of Quebec, Canada, reports cases of certain communicable diseases for the 2 weeks ended December 2, 1933, as follows:

Disease	Cases	Disease	Cases
Chicken pox	423	Poliomyelitis	1
Cerebrospinal meningitis	1	Puerperal septicemia	3
Diphtheria	56	Scarlet fever	163
Dysentery	1	Smallpox	1
Erysipelas	9	Trachoma	1
German measles	5	Tuberculosis	129
Influenza	13	Typhoid fever	53
Measles	107	Whooping cough	259

CHINA

Manchuria—Plague.—According to information dated October 25, 1933, plague had been present in certain parts of Manchuria, principally in the region between the Ssupingkai-Taonan Railway and the southern line of the Chinese Eastern Railway, as well as in places adjacent to the lines of the Ssupingkai-Taonan, Ssupingkai-Tungliao, and Tahushan-Tungliao Railways, since the month of August 1933. On September 18 it was reported that 200 persons had died in 23 Chinese villages near Nungan from a disease later proved by bacteriological examination to be bubonic and pneumonic plague. At that time cases were also reported from the regions of Tungliao, Kaitung, Chienan, and Angkuan.

Control measures had been instituted along the railway lines mentioned, as well as along the lines of the South Manchurian Railway, rodent destruction being carried on, cars disinfected, and passenger and commercial traffic prohibited at certain stations. Sanitary detachments had been dispatched to the infected regions of Tungliao, Kaitung, Changwu, Huaiteh, Chienchiatien, and Nungan.

It was reported on October 12 that the epidemic, which had been abating for some time, was again rampant south of Hungsing Station on the Ssupingkai-Taonan Railway, and in the region of Kaitung. No cases of plague had occurred in the zone of the Chinese Eastern Railway.

GREAT BRITAIN

Scotland—Vital statistics—Quarter ended September 30, 1933.—The Registrar General of Scotland has published the following vital statistics for the third quarter, ended September 30, 1933:

Population, estimated	4,916,000
Births	21,136
Birth rate per 1,000 population	17.1
Deaths	13,094
Deaths per 1,000 population	10.6
Deaths under 1 year	1,343
Deaths under 1 year per 1,000 births	64
Marriages	10,252
Deaths from:	
Bronchitis	330
Broncho-pneumonia	307
Cancer	1,865
Cerebrospinal fever	36
Diabetes	145
Diphtheria	74
Dysentery	3
Erysipelas	28
Heart disease	2,110
Influenza	39
Deaths from—Continued.	
Lethargic encephalitis	20
Malaria	2
Measles	4
Nephritis, acute	47
Nephritis, chronic	239
Nephritis, unspecified	86
Paratyphoid fever	8
Pneumonia, lobar	202
Pneumonia, unspecified	125
Poliomyelitis	10
Puerperal sepsis	40
Scarlet fever	51
Syphilis	18
Tetanus	11
Tuberculosis	822
Typhoid fever	5
Whooping cough	99

PUERTO RICO

Notifiable diseases—4 weeks ended December 2, 1933.—During the 4 weeks ended December 2, 1933, cases of certain notifiable diseases were reported in the municipalities of Puerto Rico, as follows:

Disease	Cases	Disease	Cases
Chicken pox	18	Paratyphoid fever	4
Conjunctivitis	1	Pellagra	2
Diphtheria	69	Puerperal fever	3
Dysentery	119	Ringworm	5
Erysipelas	2	Syphilis	29
Filariasis	7	Tetanus	5
Framboesia	4	Tetanus, infantile	2
Influenza	218	Trachoma	69
Malaria	[1] 7,670	Tuberculosis	466
Measles	92	Typhoid fever	13
Mumps	41	Whooping cough	194
Ophthalmia neonatorum	7		

[1] Includes results from a special survey.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER

(NOTE.—A table giving current information of the world prevalence of quarantinable diseases appeared in the PUBLIC HEALTH REPORTS for Nov. 24, 1933, pp. 1431-1442. A similar cumulative table will appear in the PUBLIC HEALTH REPORTS to be issued Dec. 29, 1933, and thereafter, at least for the time being, in the issue published on the last Friday of each month.)

Cholera

Philippine Islands.—During the week ended December 9, 1933, cholera was reported in the Philippine Islands as follows: Bohol Province—Calape, 2 cases, 1 death; Clarin, 4 cases, 2 deaths; Inabanga, 7 cases, 4 deaths; Tubigon, 10 cases, 9 deaths. Cebu Province—Argao, 5 cases, 6 deaths; Bantayan, 1 case, 1 death; Campostela, 2 cases, 2 deaths; Liloan, 1 case; Toledo, 1 case. Occidental Negros Province—San Carlos, 2 cases, 2 deaths. Oriental Negros Province—Tanjay, 1 case, 1 death.

Plague

Hawaii Territory—Hawaii Island.—On December 1, 1933, 1 plague-infected rat was reported in Kalopa Homesteads, Hamakua District, Island of Hawaii.

Yellow Fever

Gold Coast—Oriental Province.—On November 29, 1933, 1 case of yellow fever was reported in Oriental Province, Gold Coast.

Senegal.—Yellow fever has been reported in Senegal as follows: Kaolak Circle, 2 cases, 1 death, December 1, 1933. Sebikotane, 1 case, 1 death, December 3, 1933.